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United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



— 5 —

WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources



JUNE 1, 1985

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

**and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS**

Issued by

**PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.**

|||||

Released by

**FRANCIS T. HOLT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH**

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

**ROBERT L. MORGAN
State Engineer
Division of Water Rights**

**D. LARRY ANDERSON
Director
Division of Water Resources**

|||||

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

**Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147**

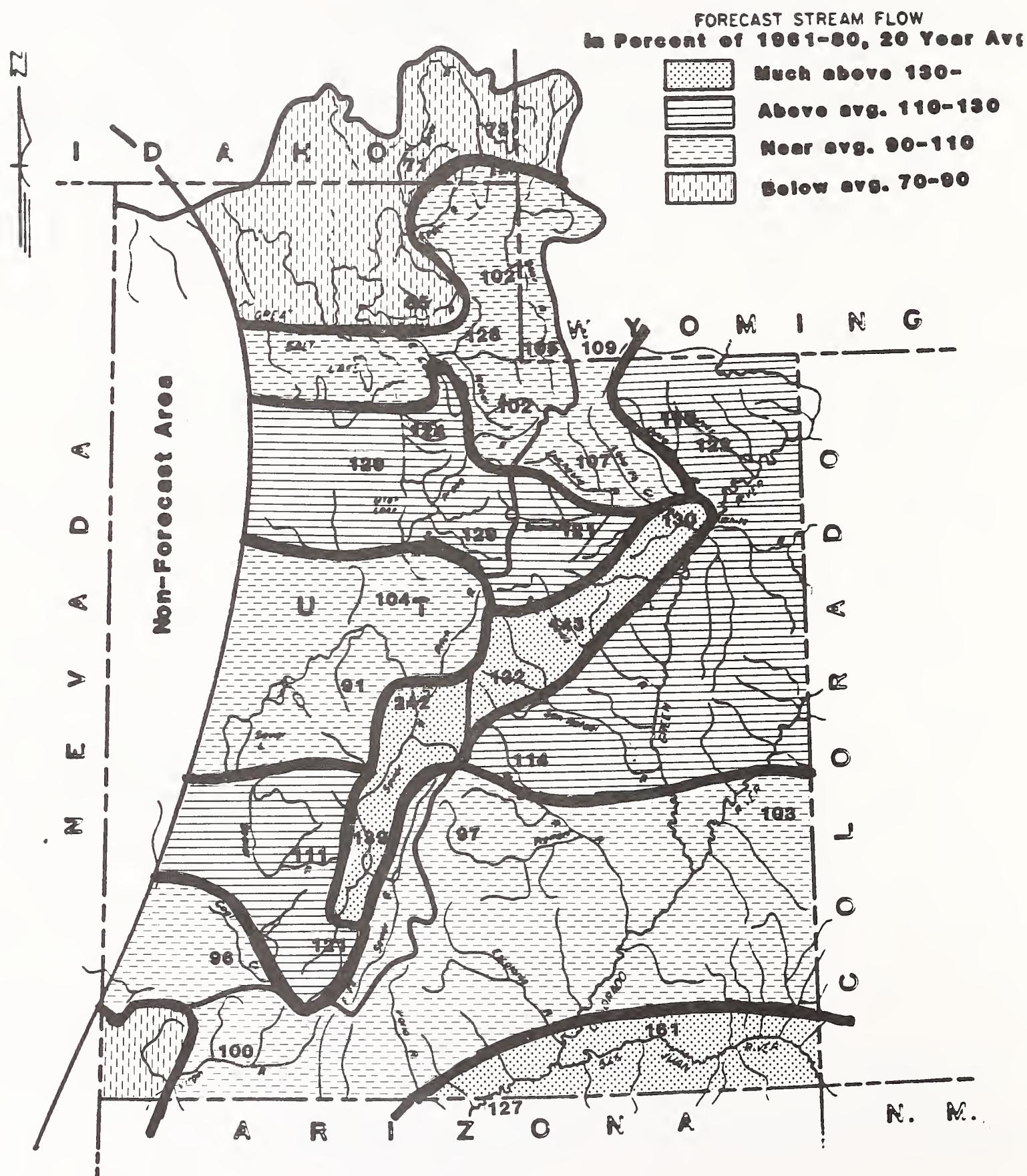
PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

June 1, 1985

Approximate Date

SCALE IN MM.



The President's 1986 budget request to Congress calls for termination of the Snow Survey and Water Supply Forecast activity within the U. S. Soil Conservation Service for fiscal policy reasons. If the President's budget request is enacted by Congress the Snow Survey Program will be eliminated by the end of fiscal year 1986. This action would conclude over 50 years of federally coordinated snow survey effort in the Western U. S..

As of May 1, 1985

SNOW COVER

Only a few of the highest and more protected snow courses had measurable snow during the last survey of the season about June 1. Basin snow percent of average ranges from 0 on several basins to 80% of the June 1 average for Beaver River. Most basins with any snow at all on the snow courses range from 1 to 40% of average.

PRECIPITATION

Mountain precipitation during May ranged from 42% of average at GBRC Meadows on the San Pitch to 260% at Pine Creek above Fillmore.

SOTI MOISTURE

Watershed soils are generally wetter than average again this year except on the East end of the Uintahs and the South East corner of the State. Low and medium elevation soils are beginning to dry out since snow melt occurred at least a month ahead of normal this year.

RESERVOIR STORAGE

Storage in 23 of Utah's key irrigation reservoirs is now 120% of average and 94% of useable capacity.

STREAMFLOW FORECASTS

Streamflow forecasts for the May-July period remain the same as they were on May 1st and range from 68% of average on Santa Clara to 395% for the Sigurd to Gunnison reach of the lower Sevier River.

Bear River forecasts range from 71 to 127%. Weber-Ogden river range from 80 to 135%. Utah Lake -Jordan River forecasts range from 90 to 151%. Uintah Basin forecasts range from 76 to 140%. South Eastern Utah basins range from 90 to 166%. Sevier Basin forecasts range from 90 to 395%. Southern Utah forecasts range from 68% to 137%. Lake Powell Inflow (137%) was the only forecast that changed from the May 1 figures.

Some water users that depend on direct flow only may have less than average water supplies in the mid to late season unless above average precipitation occurs during the season.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

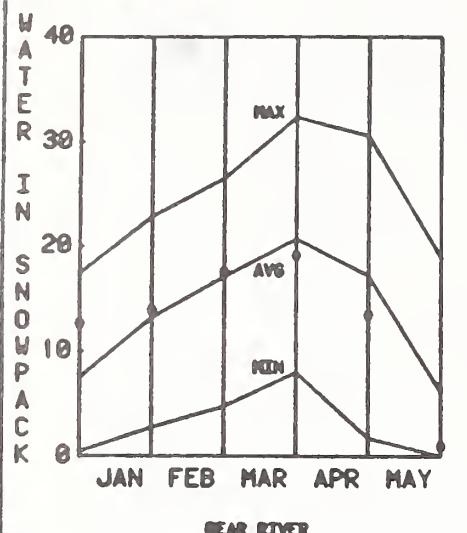
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average ⁺
<u>GREAT BASIN</u>					
<u>Bear River</u>	Bear Lake	1421.0	1263.0	1275.0	1130.7
	Woodruff Narrows	55.8	59.1	60.6	--
	Woodruff Creek	3.5	3.5	3.5	--
<u>Beaver River</u>	Minersville (RkyFd)	26.0	22.6	24.0	13.4
<u>Little Bear</u>	Hyrum	15.3	15.5	15.3	14.7
	Porcupine	11.3	11.3	11.9	10.9 ^b
<u>Ogden</u>	Causey	6.9	7.0	7.1	6.3 ^b
	Pineview	110.1	110.2	108.2	99.2
<u>Provo</u>	Deer Creek	149.7	151.0	148.0	135.9
<u>Settlement Creek</u>	Settlement Creek	1.0	1.0	1.2	--
	Vernon Creek	0.6	0.6	0.6	0.5 ^b
<u>Sevier River</u>	Gunnison	18.2	18.2	18.2 ^a	13.4 ^b
	Otter Creek	52.5	52.8	52.7	40.3
	Piute	71.8	69.1	70.7	39.0
	Sevier Bridge	236.0	228.6	248.0	112.3
	Panguitch Lake	22.3	22.1	22.3	--
<u>Utah Lake</u>	Utah Lake	883.9	1236.7	1415.8	--
<u>Weber</u>	East Canyon	48.1	48.7	46.6	46.8 ^b
	Echo	73.9	73.8	63.8	65.6
	Lost Creek	20.0	20.4	20.2	19.1 ^b
	Rockport	60.9	62.4	53.4	47.2
	Willard Bay	165.0	165.5	152.7	--
<u>COLORADO R. BASIN</u>					
<u>Ashley Creek</u>	Steinaker	33.3	33.3	33.3	26.9 ^b
	Red Fleet	26.0	25.6	25.0	--
<u>Colorado</u>	Blue Mesa	829.5	591.5	653.0	--
	Lake Powell	25002.0	24296.0	23090.0	--
<u>Green</u>	Flaming Gorge	3749.0	3356.0	3280.0	--
<u>Lakefork</u>	Moon Lake	35.8	34.1	35.8	18.0
<u>Price River</u>	Scofield	65.8	70.3	72.0 ⁺	53.8
<u>San Juan</u>	Navajo	1696.0	1550.9	1573.0	--
	Ken's Lake	2.3	2.1	2.3	--
<u>San Rafael</u>	Huntington North	3.9	3.8	3.9 ^a	--
	Joe's Valley	54.6	56.5	56.6	54.5 ^b
	Mill Site	16.7	16.7	16.7	--
<u>Strawberry</u>	Starvation	165.3	168.5	149.6	128.9 ^b
	Strawberry (enlarged)	951.4	531.9	--	--
<u>Uintah</u>	Bottle Hollow	11.3	10.9	111.3 ^a	--
	Currant Creek	15.5	13.0	5.0 ^a	--

a - Partly estimated

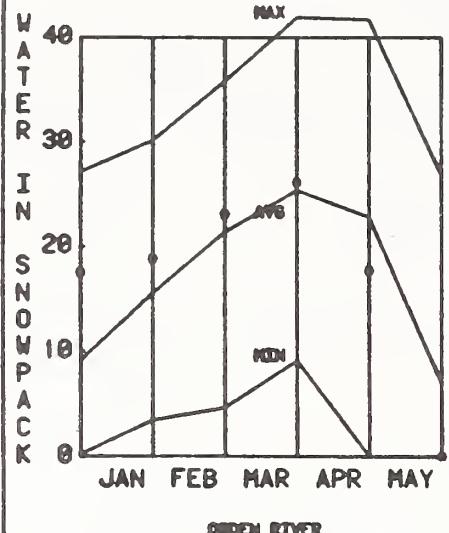
b - Average of past record in average period - less than 20 years

+ - 1961-80 20 year average period

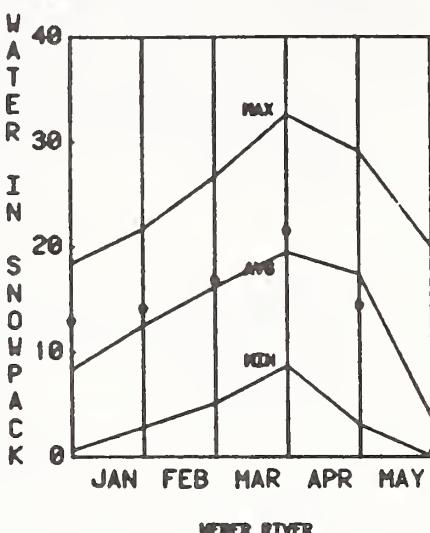
BASIN SNOWPACK



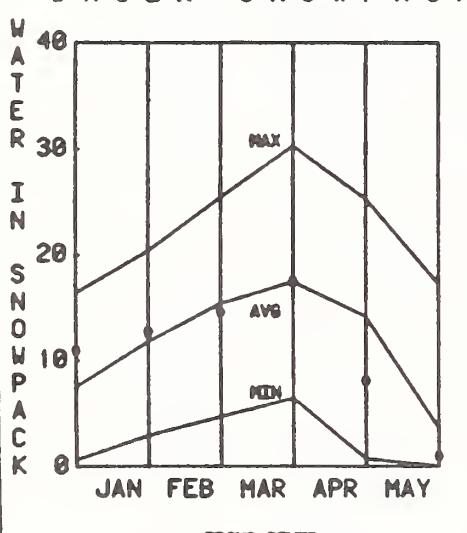
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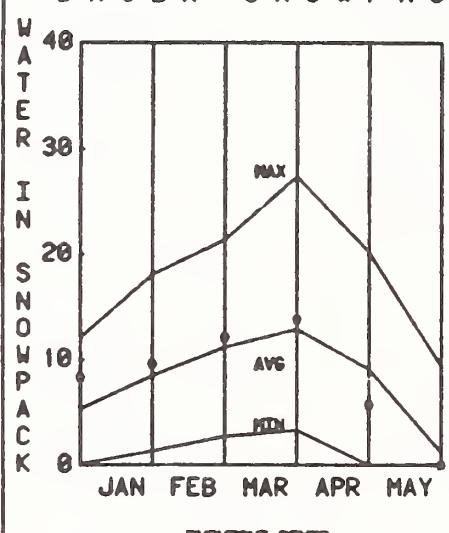
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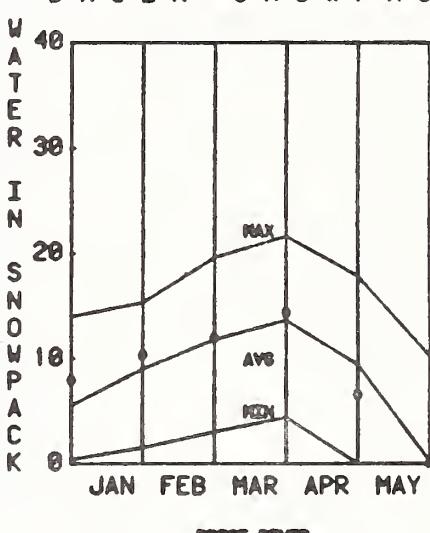
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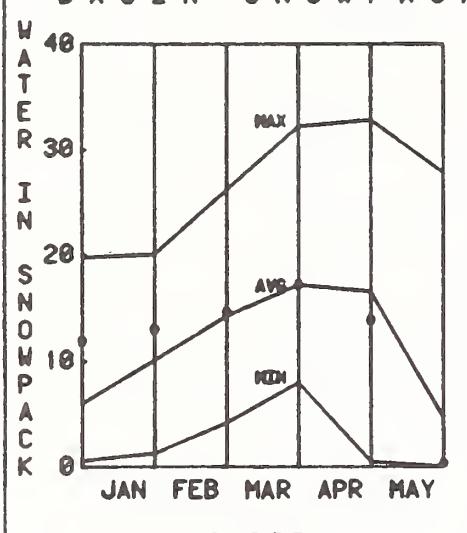
BASIN SNOWPACK



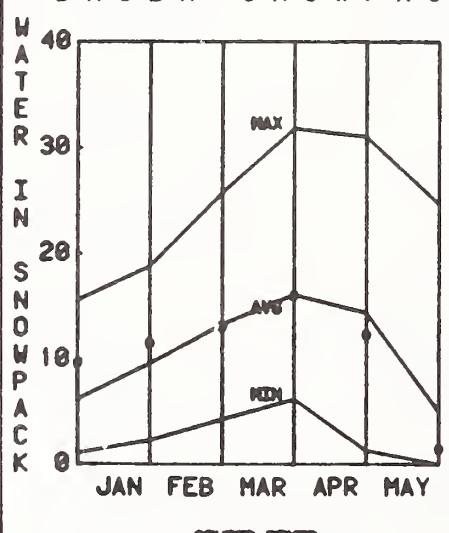
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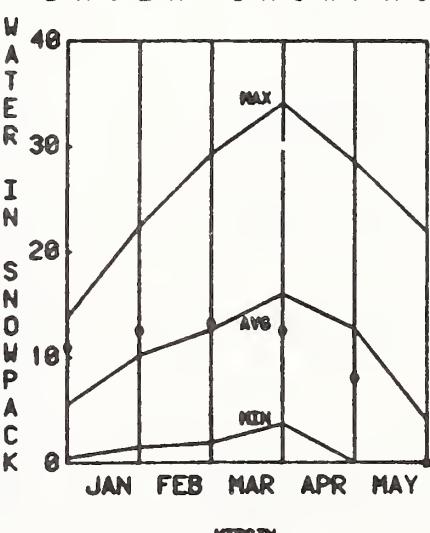
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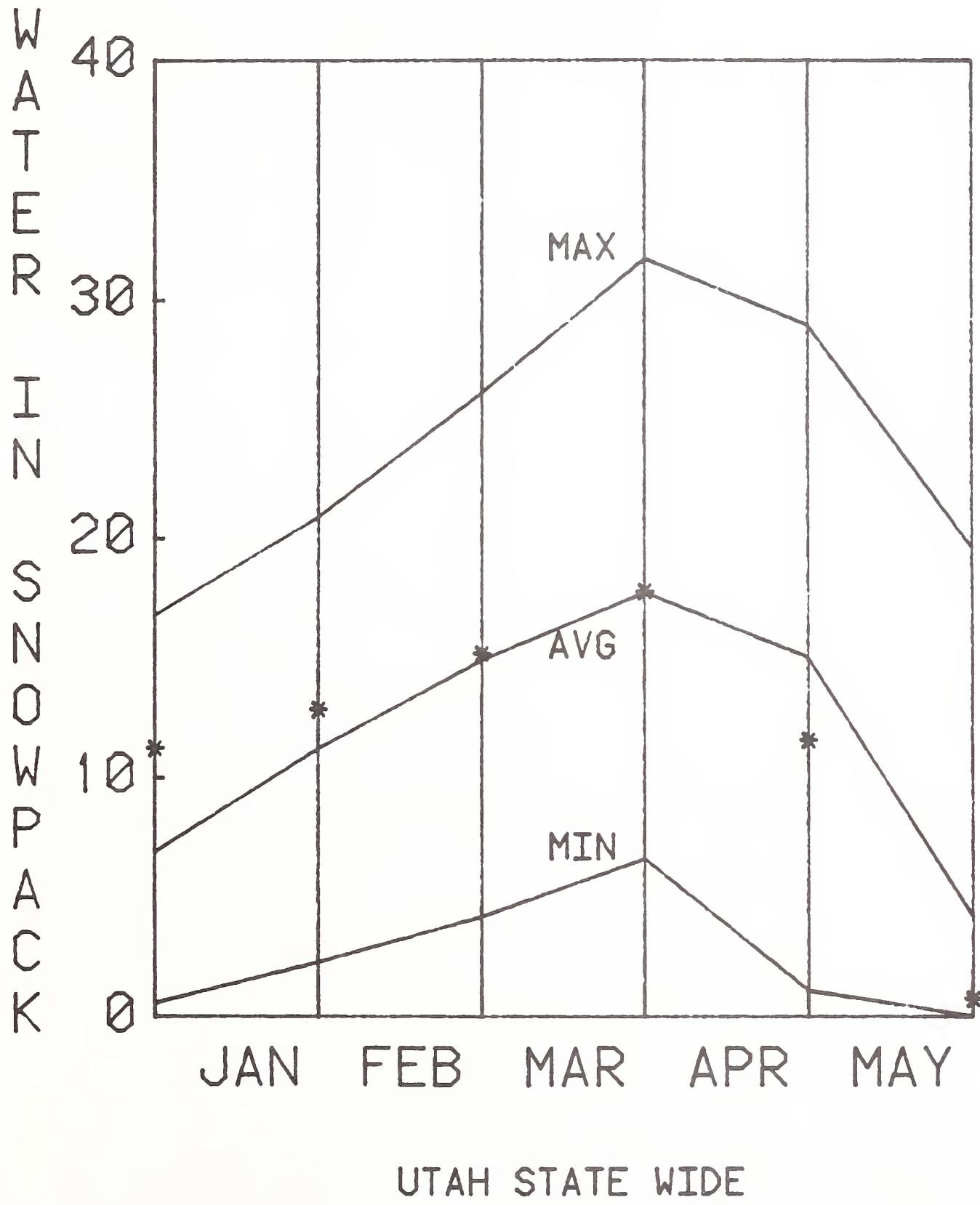
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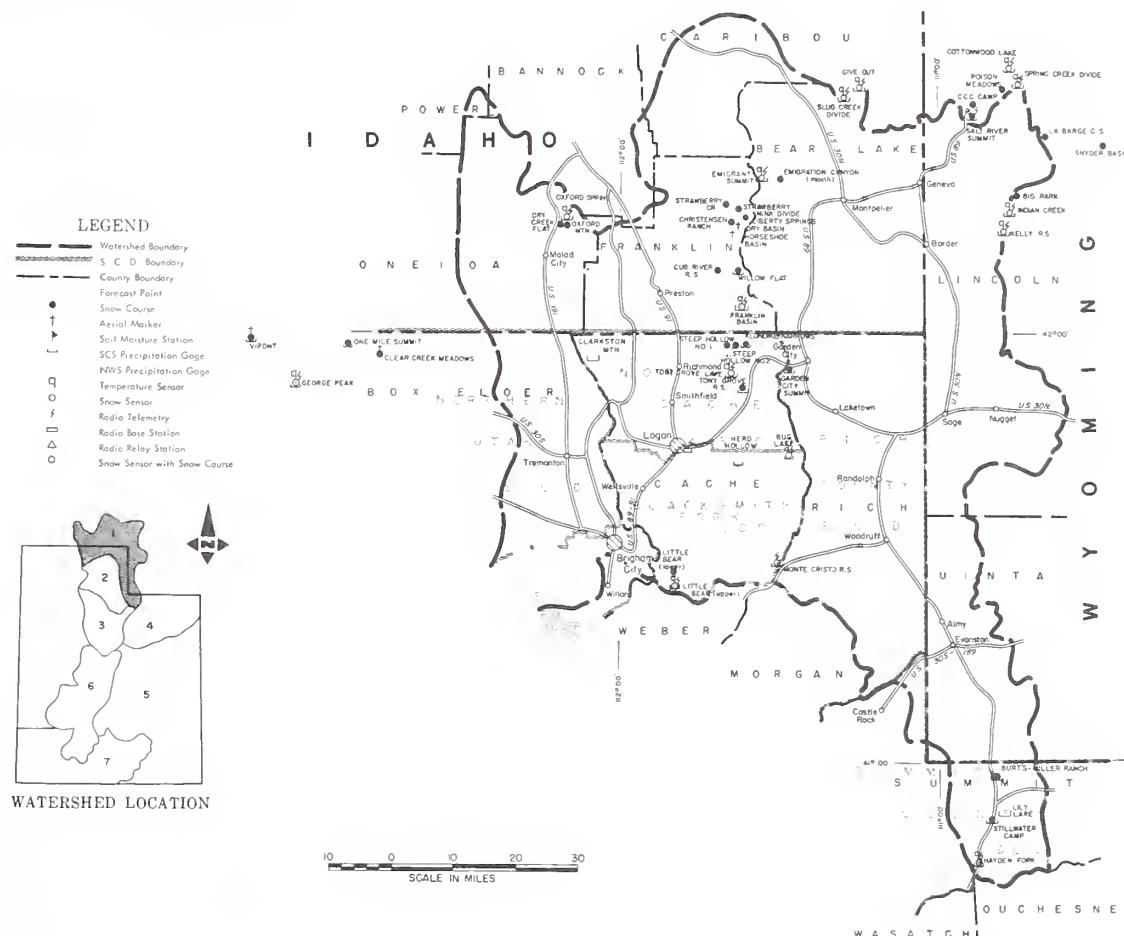
B A S I N S N O W P A C K





WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO NEAR AVERAGE

SNOW COVER ranges from 15% of the June 1 average on the Lower Bear and Logan to 26% on the Upper Bear. Warmer than average temperatures put snow melt at least a month ahead of normal this season and snow remains only at the highest and most protected areas.

PRECIPITATION at mountain stations ranged from 80% of the May average on the Upper Bear to 134% at Tony Grove R.S. on Logan River.

SOIL MOISTURE is above average but beginning to dry out at lower and medium elevations.

RESERVOIR STORAGE is above average with all but Bear Lake at or above useable capacity.

STREAMFLOW FORECASTS remain the same as last month and range from 71% of the May-July average on Cub River to 127% for Big Creek. Bear River is forecast 105% at State Line, 102% at Woodruff, 105% at Randolph, and 73% at Harer, Idaho. Smith's Fork is forecast 78% and Thomas Fork 74% of average. Logan River is forecast 95%, Blacksmith 97% and Little Bear 77%.

Some water users are expected to have limited water supplies from direct flow by late season in the area.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST *		THOUSAND ACRE FEET	Last Year 3
	Thousand Acre Feet	Percent of Average +		
WEBER-OGDEN RIVERS				
Weber nr Oakley	95	102	May-June	146
Rockport Reservoir Inflow 1/	97	101	May-June	168
Chalk Creek at Coalville	29	100	May-June	67
Weber nr Coalville 1/	101	103	May-June	173
Lost Creek nr Croydon, UT 1/	14.3	128	May-June	30
East Canyon Creek nr Morgan 1/	22	135	May-June	45
Hardscrabble Crk nr Porterville	16.6	118	May-June	--
S. Fork Ogden nr Huntsville 1/	33	80	May-June	90
Pineview Reservoir Inflow 1/	63	85	May-June	239
Echo Reservoir Inflow 2/	121	101	May-June	197
Weber at Gateway 1/	247	110	May-June	506
JORDAN RIVER & SALT LAKE				
Farmington Crk nr Farmington	6.9	103	May-July	--
				6.7b

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average +
OGDEN RIVER WEBER RIVER	6 14	1 9	1 22

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 20 years
e - Maximum mean daily peak flow
+ - 1961-80 20 year Average Period
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
OGDEN	Causey	6.9	7.0	7.1	6.3b
	Pineview	110.1	110.2	108.2	99.2
WEBER	East Canyon	48.1	48.7	46.6	46.8b
	Echo	73.9	73.8	63.8	65.6
	Lost Creek	20.0	20.4	20.2	19.1b
	Rockport	60.9	62.4	53.4	47.2
	Willard Bay	165.0	165.5	152.7	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD		
	NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
					Last Year
Beaver Creek R.S.	5/30	0	0.0	0.0	0.0b
Beaver Creek-Skunk Creek	5/30	0	0.0	0.0	0.0b
Ben Lomond Peak	5/31	0	0.0	32.0	16.0a
Ben Lomond Trail	5/31	0	0.0	0.0	0.0
Chalk Creek #1	5/30	4	1.7	13.4	12.9a
Chalk Creek #2	5/30	0	0.0	0.0	1.3a
Chalk Creek #3	5/30	0	0.0	0.0	0.0b
Dry Bread Pond	5/30	0	0.0	2.0	2.4b
Farmington Upper	5/31	3	1.4	26.7	12.0b

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range *	Average +
South Fork Ogden nr Huntsville		763
Chalk Creek nr Coalville		510
Weber nr Oakley		1540

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD		
	NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
					Last Year
Horse Ridge	5/30	0	0.0	0.0	7.8
Lost Creek Reservoir	5/30	0	0.0	0.0	0.0b
Monte Cristo	5/30	1	0.4	14.9	9.9
Parleys Canyon Summit	5/31	0	0.0	0.0	0.7a
Sagebrush Flat	5/30	0	0.0	0.0	0.0b
Smith & Morehouse	5/30	0	0.0	0.0	0.4a
Trial Lake	5/30	18	7.9	17.3	19.7b

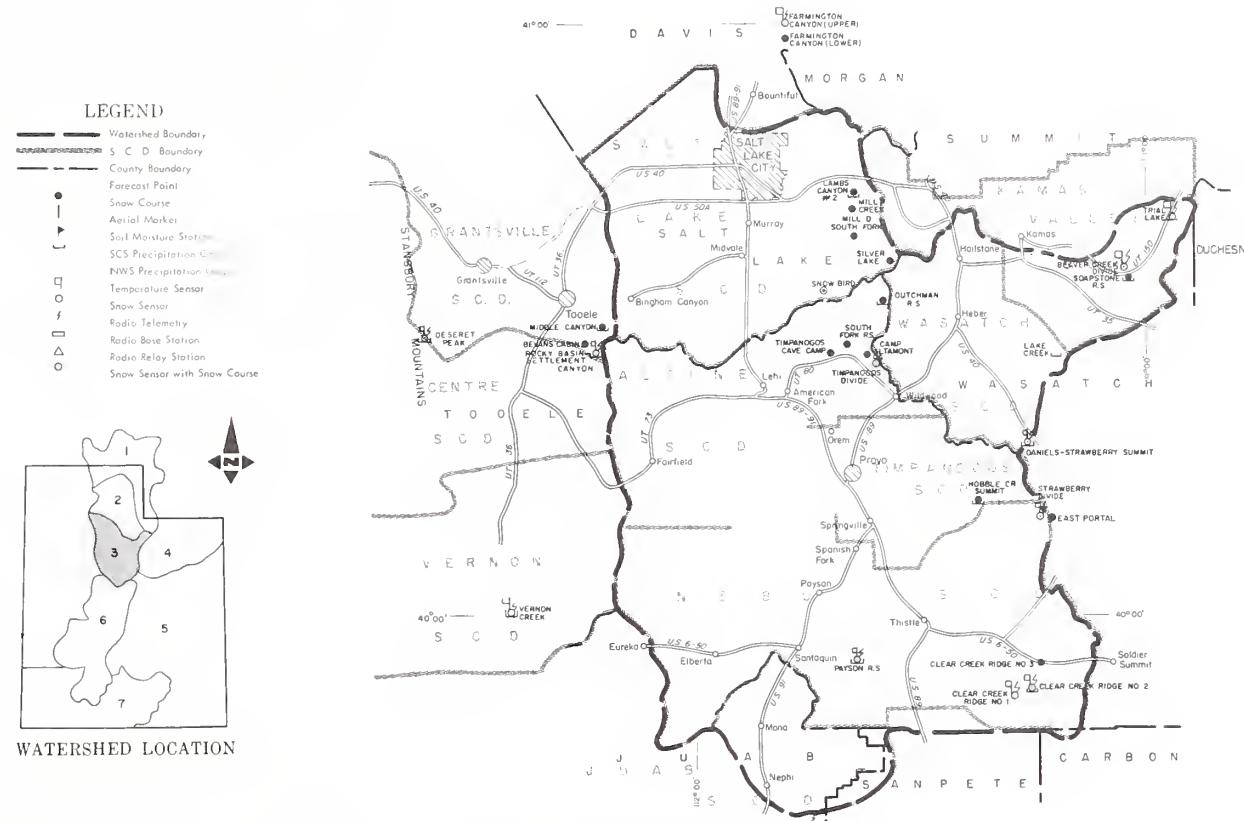
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WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH



June 1, 1985
THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER remains at only the highest and most protected areas and now ranges from 1% of the June 1 average for the Jordan River-Salt Lake area to 37% of average on Provo River watershed. Utah Lake watershed was 32% of the June 1 average.

PRECIPITATION at mountain stations ranged from 85% of the May average at Clear Creek #2 to 200% at Vernon Creek.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average and Utah Lake is 3.40 feet above compromise. Great Salt Lake peaked at 4209.95 feet about June 1st.

STREAMFLOW FORECASTS are the same as issued May 1 and range from 90% of the May-July average for City Creek to 151% for Utah Lake Inflows.

Provo River is forecast 93% at Hailstone and 98% below Deer Creek Dam.

American Fork is forecast 113%, Hobble Creek 117%, Spanish Fork 129% and Payson Creek 91% of the May-July average.

Creeks above the Salt Lake front are forecast from 90% of average on City Creek to 124% for Big Cottonwood and Mill Creeks.

Tooele Valley streams are forecast 129% for Settlement Creek, 126% for South Willow, and 112% for Vernon Creek. All water users are expected to have near average water supplies this season.

UTAH LAKE, JORDAN RIVER AND TOOKELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average +		Last Year 3	Average +
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	87	93	May-July	161	94
Provo below Deer Creek Dam 1/	95	98	May-July	--	96
American Fork nr American Fork	32	113	May-July	50	28
Hobble Creek nr Springville	15.5	117	May-July	--	13.3
Strawberry Reservoir Inflow 1/	55	127	May-July	81	43
Spanish Fork at Thistle	40	129	May-July	--	28
Payson Creek nr Payson	4.0	91	May-July	--	4.4
Utah Lake Inflow	250	151	May-July	--	166
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	36	100	May-July	58	36
Big Cottonwood nr SLC	41	124	May-July	54	33
Parley's Creek nr SLC	13.0	116	May-July	31	11.3
Mill Creek nr SLC	6.3	124	May-July	13	5.0
Emigration Creek nr SLC	2.3	92	May-July	8.5	2.5
City Creek nr SLC	6.0	90	May-July	16.1	6.6
TOOELE VALLEY					
Settlement Crk nr Tooele	2.7	129	May-July	--	2.1
S. Willow Crk nr Grantsville	3.4	126	May-July	5.9	2.7
Vernon Creek nr Vernon	0.6	112	May-June	2.2	0.5

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average +
UTAH LAKE	9	21	32
PROVO RIVER	4	46	37
JORDAN RIVER & SALT LAKE	5	1	1
TOOELE VALLEY & VERNON CREEK	Not scheduled		

1 - Observed flow corrected for change in storage and diversions
 3 - Provisional flows - subject to correction
 a - Partly estimated
 b - Average of past record - less than 20 years
 + - 1961-80 20 year average period
 e - Maximum mean daily peak flow
 * - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
SPANISH FORK	Strawberry (Enlarged)	951.4	531.9	--	--
UTAH LAKE	Utah Lake	883.9	1236.7	1415.8	--
	Settlement Creek	1.0	0.1	--	--
	Vernon Creek	0.6	0.6	0.6	0.5b
PROVO	Deer Creek	149.7	151.0	148.0	135.9

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range *	Average +
Big Cottonwood nr Salt Lake City		442
Little Cottonwood nr Salt Lake City		384
Provo Near Hailstone		2128
Spanish Fork nr Thistle		451b
American Fork nr American Fork		329
Mill Creek nr Salt Lake City		59
Parley's Creek nr Salt Lake City		153
City Creek nr Salt Lake City		75
Emigration		--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Bevans Cabin			Not scheduled		
Clear Creek #1	5/29	0	0.0	5.4	2.8a
Clear Creek #2	5/29	0	0.0	0.0	0.2b
Clear Creek #3	5/29	0	0.0	0.0	0.0a
Daniels-Strawberry Summit	5/30	0	0.0	0.0	0.2a
Deseret Peak			Not scheduled		
Hobble Creek Summit	5/28	0	0.0	0.0	0.0b
Lambs Canyon #2	5/30	0	0.0	0.0	0.5b
Middle Canyon			Not scheduled		
Mill Creek	5/30	0	0.0	9.4	5.1a

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Mill D South Fork	5/30	2	0.1	0.0	2.4d
Parley's Canyon Summit	5/31	0	0.0	0.0	0.7a
Payson R.S.	5/28	0	0.0	5.6	0.7b
Rocky Basin-Settlement Canyon	5/31		2.1a		
Silver Lake Brighton	5/30	3	0.2	14.2	12.0b
Soapstone R.S.	5/30	0	0.0	0.0	0.2a
Timpanogos Divide	5/31		0.1a	0.0	4.3b
Trial Lake	5/30	18	7.9	17.3	19.7b
Vernon Creek	5/31		0.0a	0.0	0.0b

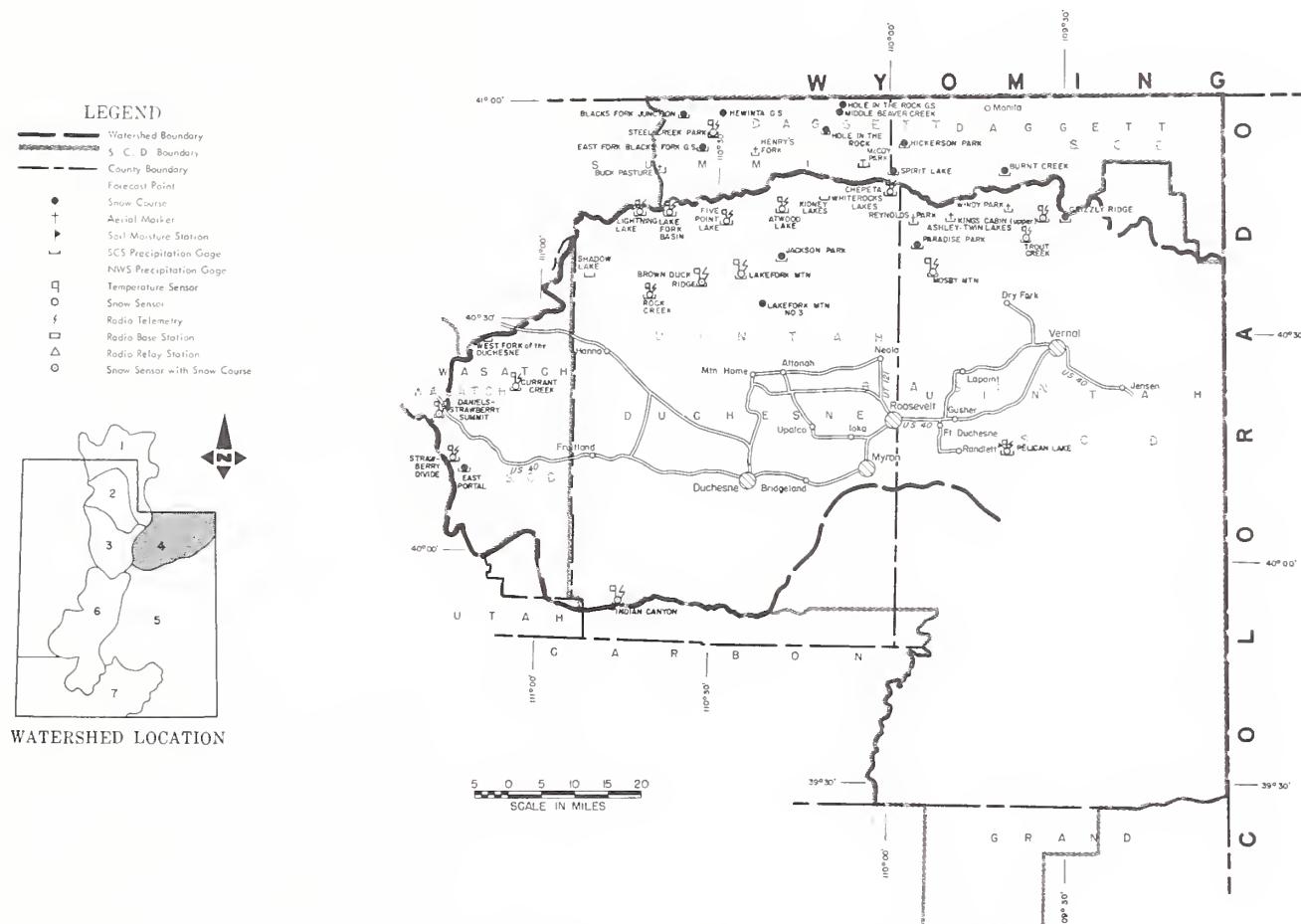
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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER as a percent of the June 1 average now ranges from 0% on the Strawberry River, Uintah River, Whiterocks River, Ashley Creek, and Sheep Creek snow courses to 43% on Black's Fork. The entire Duchesne River drainage is 24% and Lakefork-Yellowstone Creek drainage is 40% of the June 1 average.

PRECIPITATION at mountain stations was generally below average during May ranging from 52% at Spirit Lake to 122% at Currant Creek.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average in all reservoirs with averages established.

STREAMFLOW FORECASTS are the same as reported last month with a range of 76% of the May-July average for Flaming Gorge Inflow to 140% of the May-September average for Henry's Fork. The Duchesne is forecast 104% near Tabiona, 105% at Duchesne, 130% at Myton, 136% at Randlett, and the West Fork is forecast 110% of average. The Strawberry River is forecast 121% at Duchesne, Currant Creek 111%, Rock Creek 107%, Lakefork 101%, Yellowstone 106%, Whiterocks 118%, and Uinta 120%. Black's Fork is forecast 109% and Ashley Creek 122%. All water users are expected to have an adequate water supply this season.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST *	Percent of Average +	FORECAST PERIOD	THOUSAND ACRE FEET	Last Year 3 Average +
DUCESNE RIVER					
Duchesne nr Tabiona 1/	100	104	May-July	134	96
Duchesne at Duchesne 1/	185	105	May-July	248	175
Strawberry at Duchesne	58	121	May-July	141	48
Rock Creek nr Mtn. Home	94	107	May-July	112	88
Currant Creek nr Fruitland	18.5	111	May-July	47	16.6
Lakefork below Moon Lake 1/	68	101	May-July	77	67
Yellowstone nr Altonah	65	106	May-July	64	61
Duchesne at Myton 1/	242	130	May-July	314	186
Whiterocks nr Whiterock	66	118	May-July	56	56
Uintah nr Neola	97	120	May-July	--	81
Duchesne at Randlett 1/	314	136	May-July	389	231
West Fork Duchesne at Hanna	27	110	May-July	--	24
FLAMING GORGE TO DUCESNE RIVER					
Henry's Fork nr Manila	60	140	May-Sept	85	43
Black's Fork nr Millburne	95	109	May-July	121	87
Flaming Gorge Inflow 1/	820	76	May-July	--	1080
Ashley Creek nr Vernal	60	122	May-July	61	49

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average +
DUCESNE RIVER - TOTAL	15	28	24
LAKEFORK-YELLOWSTONE CREEKS	4	105	40
STRAWBERRY RIVER	5	0	0
UINTAH - WHITEROCKS RIVERS	3	0	0
ASHLEY CREEK	3	0	0
BLACK'S FORK	3	41	43
SHEEP CREEK	3	0	0

1 - Observed flow corrected for change in storage and diversions
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 a - Partly estimated
 b - Average of all past record - less than 20 years
 e - Maximum mean daily peak flow
 + - 1961-80 20 year Average Period
 * - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
ASHLEY CREEK	Red Fleet	26.0	25.6	25.0	--
	Steinaker	33.3	33.3	33.3	26.9 ^b
GREEN RIVER	Flaming Gorge	3749.0	3356.0	3280.0	--
	Moon Lake	35.8	34.1	35.8	18.0
STRAWBERRY	Currant Creek	15.5	13.0	5.0 ^a	--
	Starvation	165.3	168.5	149.6	128.9 ^b
	Strawberry (Enlg)	951.4	5311.9	--	--
UINTAH	Bottle Hollow	11.3	10.9	11.3 ^a	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD		
	Data of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Brown Duck Ridge	5/29	25	11.1	10.6	15.3 ^a
Burnt Creek	5/30	0	0.0	0.0	0.3 ^b
Currant Creek	5/30	0	0.0	0.0	0.0 ^b
Daniels-Strawberry	5/30	0	0.0	0.0	0.2 ^a
Grizzly Ridge	5/30	0	0.0	0.0	1.0 ^b
Hewinta G. S.	5/30	2	0.3	0.0	2.0 ^b
Hickerson Park	5/29	0	0.0	0.0	0.1 ^b
Jackson Park	5/29	0	0.0	0.0	8.8 ^a
Kings Cabin Upper	5/29	0	0.0	0.0	1.0 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD		
	Data of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Lakefork Mountain	5/29	0	0.0	0.0	3.6 ^b
Mosby Mountain	5/29	0	0.0	0.0	3.2 ^b
Paradise Park	5/29	0	0.0	0.0	7.3 ^b
Rock Creek Ranch	5/29	0	0.0	0.0	0.0 ^a
Spirit Lake	5/29	0	0.0	0.0	7.3 ^b
Steel Creek Park	5/30	18	5.8	14.5	11.9 ^a
Strawberry Divide	5/31	0	0.0 ^a	0.0 ^a	0.0 ^b
Trout Creek	5/29	0	0.0	0.0	1.5 ^b

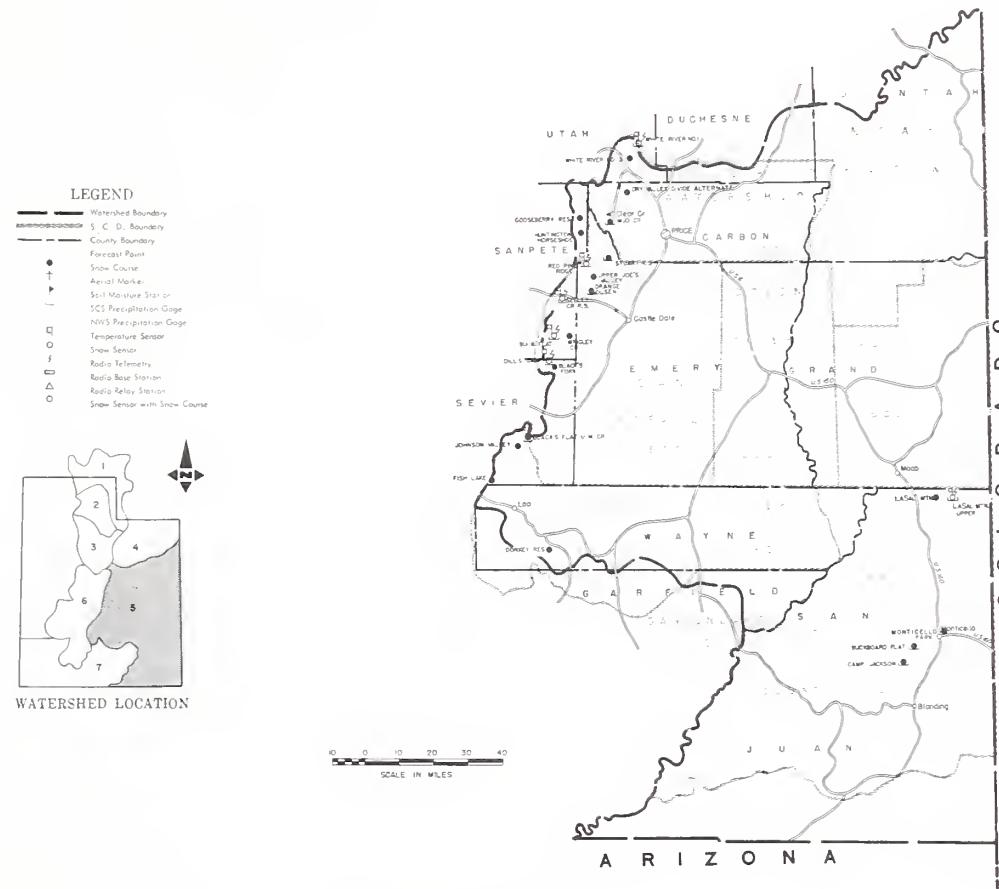
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WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER on snow courses on the Price, Fremont, LaSal Mountain, Blue Mountain, and Muddy River drainage is nonexistent. The highest two courses on the San Rafael had some snow left but only enough to equal 18% of the June 1 average for the basin.

PRECIPITATION at mountain stations during May ranged from 90% at Camp Jackson and LaSal Upper to 152% of the May average at Black's Flat-U.M. Creek.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average with all reservoirs very near capacity or spilling.

STREAMFLOW FORECASTS remain the same as reported last month ranging from 90% of the May-July average for the Green River at Green River to 166% for Navajo Reservoir Inflow on the San Juan River. The Price River is forecast 143% at Heiner, Gooseberry Creek 125%, and Scofield Inflow 106%. The tributaries to the San Rafael are forecast as follows: Huntington Creek 136%, Cottonwood Creek 132%, and Ferron Creek 129%. The Dirty Devil tributaries are forecast 114% for Muddy Creek and 97% for Seven Mile Creek near Fish Lake. Mill Creek near Moab is forecast 103%. The Colorado near Cisco is forecast 141% and the San Juan near Bluff 161% of the May-July average. All water users are expected to have adequate water supplies this season.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST *	FORECAST PERIOD	THOUSAND ACRE FEET	LAST YEAR 3	AVERAGE +
	Thousand Acre Feet	Percent of Average +			
PRICE RIVER					
Gooseberry Crk nr Scofield	12.5	125	May-July	--	10.0
Scofield Reservoir Inflow	40	106	May-July	166	33
Price nr Heiner 1/	80	143	May-July	--	56
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	60	136	May-July	--	43b
Cottonwood Crk nr Orangeville	57	132	May-July	159	43b
Ferron Creek nr Ferron	44	129	May-July	77	34
MUDDY CREEK					
Muddy Creek nr Emery	21	114	May-July	44	16.8
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3730	141	May-July	--	2638
Green at Green River, UT	2335	90	May-July	--	2594
Mill Creek nr Moab	4.8	103	May-July	17.4	4.7b
Navajo Reservoir Inflow	960	166	May-July	--	540
San Juan nr Bluff, UT	1280	161	May-July	--	793
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	5.6	97	May-July	14.7	5.8b

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
PRICE RIVER	Scofield	65.8	70.3	72.0+	53.8
SAN RAFAEL	Huntington North	3.9	3.8	3.9a	--
	Joe's Valley	54.6	56.5	56.6	54.5b
	Mill Site	16.7	16.7	16.7	--
SAN JUAN	Navajo	1696.0	1550.9	1573.0	--
	Kens Lake	2.3	2.1	2.3	--

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average +
PRICE RIVER	3	0	0
SAN RAFAEL RIVER	8	10	18
FREMONT RIVER	3	0	0
LASAL MOUNTAINS	2	0	0
BLUE MOUNTAINS	3	0	0
MUDDY RIVER	2	0	0

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PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range *	Average +
Ferron Creek near Ferron		444
Muddy Creek near Emery		168
Huntington Cr. near Huntington		516b

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
				Least Year	Average +
Buck Flat	5/29	0	0.0	9.1	4.1b
Buckboard Flat	5/30	0	0.0	0.0	0.4b
Camp Jackson	5/30	0	0.0	0.0	0.0b
Dills Camp	5/29	0	0.0	0.0	0.9a
Dry Valley Divide Alternate	5/29	0	0.0	0.0	0.0b
Huntington-Horseshoe	5/29	10	4.6	23.8	19.6a
Indian Canyon	5/29	0	0.0	0.0	1.4b
LaSal Mtn. Upper	5/30	0	0.0	0.0	2.7a
Mammoth-Cottonwood R.S.	5/29	0	0.0	11.2	4.8b
Monticello City Park					0.0 0.0b
Mud Creek	5/29	0	0.0	0.0	0.0b
Red Pine Ridge	5/29	0	0.0	6.9	1.8b
Seeley Creek	5/29	2	1.3	22.4	8.2a
Stuart R.S.	5/29	0	0.0	0.0	0.0b
Upper Joe's Valley	5/29	0	0.0	0.0	0.0b
White River #1	5/29	0	0.0	0.0	0.3b
White River #3	5/29	0	0.0	0.0	0.0b
Wrigley Creek	5/29	0	0.0	0.0	0.0b

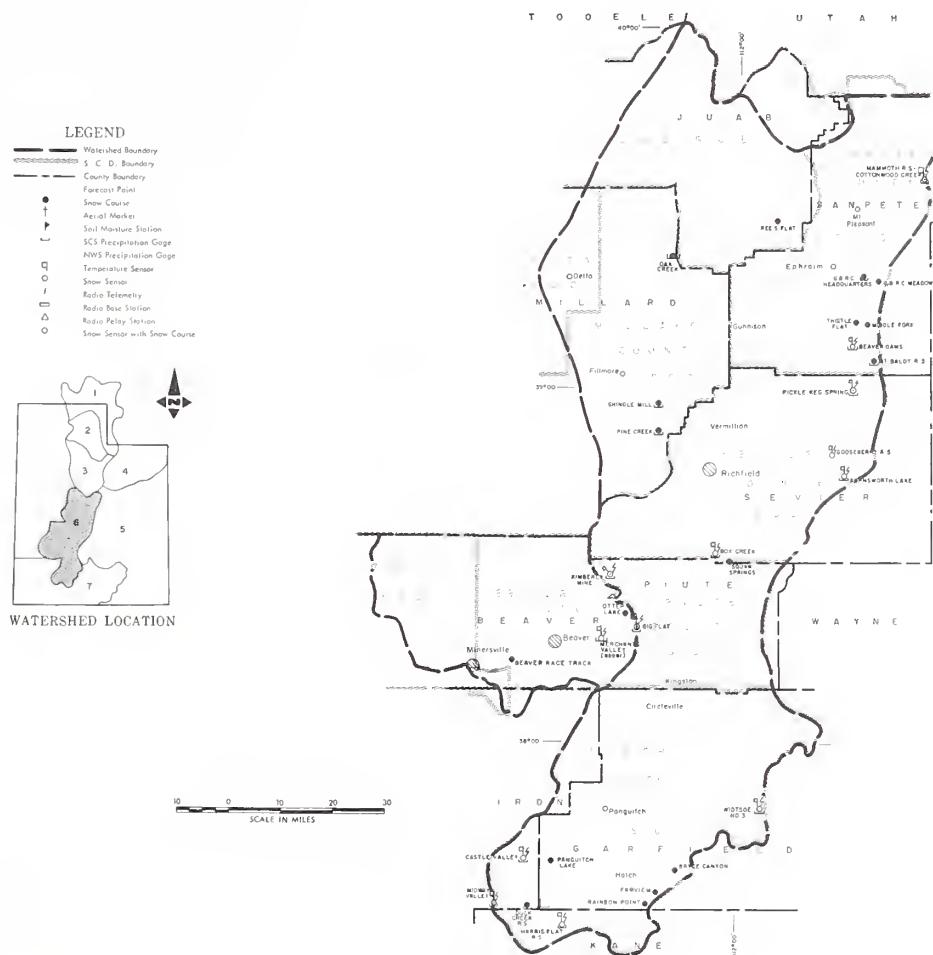
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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER as a percent of the June 1 average now ranges from 0% on the Upper Sevier to 80% on the Beaver. No snow was measured on either the East or South Fork of the Sevier and only the highest and most protected sites on the Lower Sevier and Beaver still had snow.

PRECIPITATION at mountain stations varied widely during May ranging from 42% at G.B.R.C. Meadows to 260% of the May average at Pine Creek.

SOIL MOISTURE at higher elevations is still generally above average.

RESERVOIR STORAGE is still well above average ranging from 131% for Otter Creek to 204% of the June 1 average for Sevier Bridge.

STREAMFLOW FORECASTS are unchanged from last month ranging from 90% of the May-July average on Ephraim Creek to 395% for the Sigurd to Gunnison reach of the Sevier. Other forecasts on the Sevier are: Sevier at Hatch 121%, Circleville 133%, Kingston 154%, East Fork 104%, below Piute Dam 138%, and near Gunnison 242%. Antimony Creek is forecast 111%, Clear Creek 123%, Salina Creek 131%, and Pleasant Creek 114%. Chalk Creek near Fillmore is forecast 106%, Chicken Creek 104%, Oak Creek 91%, and Salt Creek 101%. The Beaver River is forecast as follows: 111% at Beaver, 113% for North Creeks (combined), and 136% for Minersville Inflow. All water users are expected to have adequate water supplies this season.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST *	FORECAST PERIOD	THOUSAND ACRE FEET	Last Year 3	Average +
SEVIER RIVER					
Sevier at Hatch	50	121	May-July	39	42
Sevier nr Circleville	40	133	May-July	--	30
Sevier nr Kingston	34	154	May-July	--	22
Antimony Crk nr Antimony	10.0	111	May-July	--	5.7
East Fork Sevier nr Kingston	13.0	104	May-July	--	12.5
Sevier below Piute Dam	46	138	May-July	--	33
Clear Crk nr Sevier (abv Div)	20	123	May-July	--	16.2
Sigurd to Gunnison	85	395	May-July	--	21.5
Kingston to Vermillion Dam	45	161	May-June	--	28
Vermillion Dam to Gunnison	65	342	May-June	--	19.0
Salina Creek at Salina	14.7	131	May-June	--	10.8
Sevier nr Gunnison	100	242	May-July	--	41
Chalk Creek nr Fillmore	14.0	106	May-July	--	13.2b
Chicken Creek nr Levan	2.9	104	May-July	21	2.8b
Oak Cr. nr Oak City	1.0	91	May-July	2.6	1.1b
Ephraim Creek nr Ephraim	7.5	90	May-July	--	8.3
Pleasant Crk nr Mt. Pleasant	9.0	114	May-July	--	4.9
Salt Creek nr. Nephi	10.9	101	May-July	--	10.8
Beaver nr Beaver	23	111	May-July	47	21
North Creek (Combined)	14.4	113	May-July	--	12.7a
Minersville Inflow	10.5	136	May-June	--	7.7

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Useful Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
SEVIER RIVER	Gunnison	18.2	18.2	18.2a	13.4b
	Otter Creek	52.5	52.8	52.7	40.3
	Piute	71.8	69.1	70.7	39.0
	Sevier Bridge	236.0	228.6	248.0	112.3
	Panguitch Lake	22.3	22.1	22.3a	--
BEAVER RIVER	Minersville (Rky Fd)	26.0	22.6	24.0	13.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Last Year	Average +
Big Flat	5/28	34	14.2	19.5	14.1b	
Bryce Canyon	5/28	0	0.0	0.0	--	
Castle Valley	5/28	0	0.0	0.0	0.0b	
Duck Creek	5/28	0	0.0	0.0	0.5a	
Farnsworth Lake	5/28	17	7.2	26.3	14.0a	
Gooseberry R.S.	5/28	0	0.0	0.0	0.8b	
Harris Flat	5/28	0	0.0	0.0	0.5a	
Kimberly Mine	5/28	0	0.0	9.5	3.2b	

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average +
UPPER SEVIER RIVER	11	0	0
East Fork Sevier	4	0	0
South Fork Sevier	7	0	0
LOWER SEVIER	11	17	43
BEAVER RIVER	4	65	80

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PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range *	Average +
Beaver River nr Beaver		257
Sevier River at Hatch		484
Sevier River nr Kingston		312
Clear Creek nr Sevier		226
Salina Creek nr Salina		285

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Last Year	Average +
Long Valley Junction	5/28	0	0.0	0.0	0.0b	
Merchants Valley Upper	5/28	0	0.0	0.0	0.5a	
Midway Valley	5/28	0	0.0	0.0	12.1b	
Oak Creek	5/28	0	0.0	0.0	0.0a	
Otter Lake	5/28	8	2.5	6.2	6.4a	
Pickle Keg Springs	5/29	0	0.0	13.2	1.6a	
Pine Creek	5/28	0	0.0	16.3	1.9a	
Widtsoe-Escalante #3	5/28	0	0.0	0.0	0.9a	

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS BELOW TO NEAR AVERAGE

SNOW COVER with the exception of Brian Head was nonexistent. Snow courses on Coal Creek, Virgin River, Enterprise-New Harmony drainages, and the Escalante River were all bare. Compared to the June 1 average these basins range from 0% to only 3% on Parowan Creek.

PRECIPITATION during May at mountain stations was highly variable as a result of thunderstorm activity ranging from 49 to 203% of average.

SOIL MOISTURE is near average on most of the higher elevations.

RESERVOIR STORAGE is reported at 80 to 90% of capacity in Baker and Gunlock reservoirs. Quail Creek is filling and now holds approximately 1500 acre-feet. The Enterprise reservoirs are reported at less than half full and dropping fast as irrigation releases increase.

STREAMFLOW FORECASTS are the same as reported last month. The Virgin near Hurricane is forecast 100% and the Santa Clara is forecast 68% of the May-June average. Coal Creek is forecast 96% for the May-July runoff period and Inflow to Lake Powell is forecast 137%. Water supply shortages may occur later in the season as reservoirs are drawn down if summer precipitation is not great enough to offset releases. Water users relying on diversions from streamflow may also encounter shortages if summer rains are not greater than normal.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST	FORECAST PERIOD	THOUSAND ACRE FEET	Last Year	Average
	Thousand Acre Feet	Percent of Average			
VIRGIN RIVER					
Virgin nr Hurricane	40	100	May-June	21	40
Santa Clara nr Pine Valley	2.8	68	May-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	14.8	96	May-July	16.3	15.4
UPPER COLORADO					
Lake Powell Inflow	8900	137	May-July	--	6475

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	4	0	0
VIRGIN RIVER	5	0	0
PAROWAN CREEK	4	3	3
ENTERPRISE - NEW HARMONY	2	0	0
ESCALANTE RIVER	1	0	0

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RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
COLORADO	Lake Powell	25002.0	24296.0	23090.0	--
	Blue Mesa	829.5	591.5	653.0	--

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Coal Creek nr Cedar City		
Virgin nr Hurricane	220	1092

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Birch Crossing	5/30	0	0.0	0.0	0.0b
Brian Head	5/28	1	0.4	2.4	10.6b
Harris Flat	5/28	0	0.0	0.0	0.0b
Kolob-Crystal	5/28	0	0.0	0.0	9.0a
Little Grassy	5/28	0	0.0	0.0	0.0b
Long Flat	5/28	0	0.0	0.0	0.0b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Long Valley Junction	5/28	0	0.0	0.0	0.0b
SUSC Ranch	5/30	0	0.0	0.0	0.0b
Tall Poles	5/30	0	0.0	0.0	1.5b
Webster Flat	5/28	0	0.0	0.0	2.9b
Yankee Reservoir	5/28	0	0.0	0.0	0.0b

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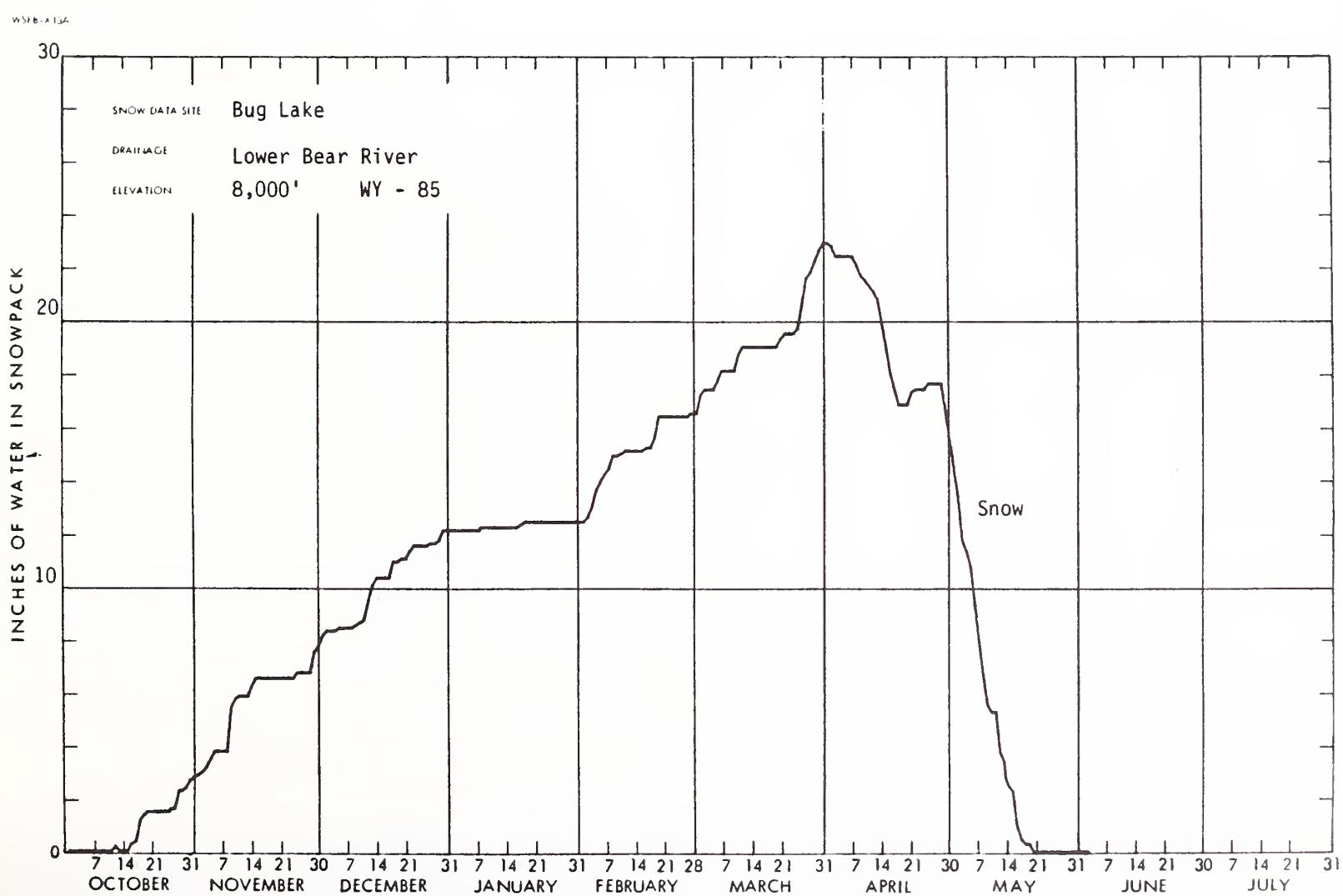
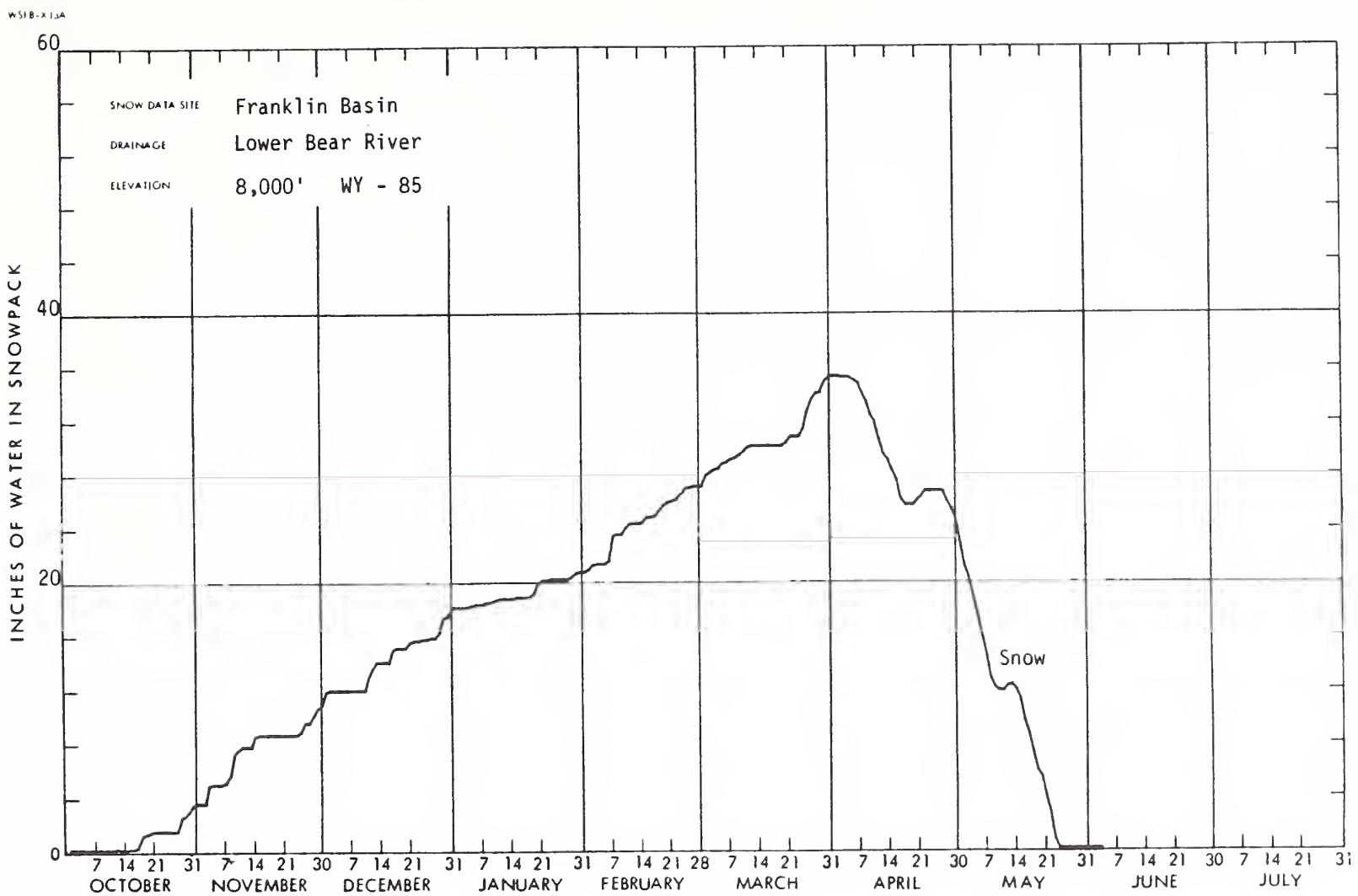
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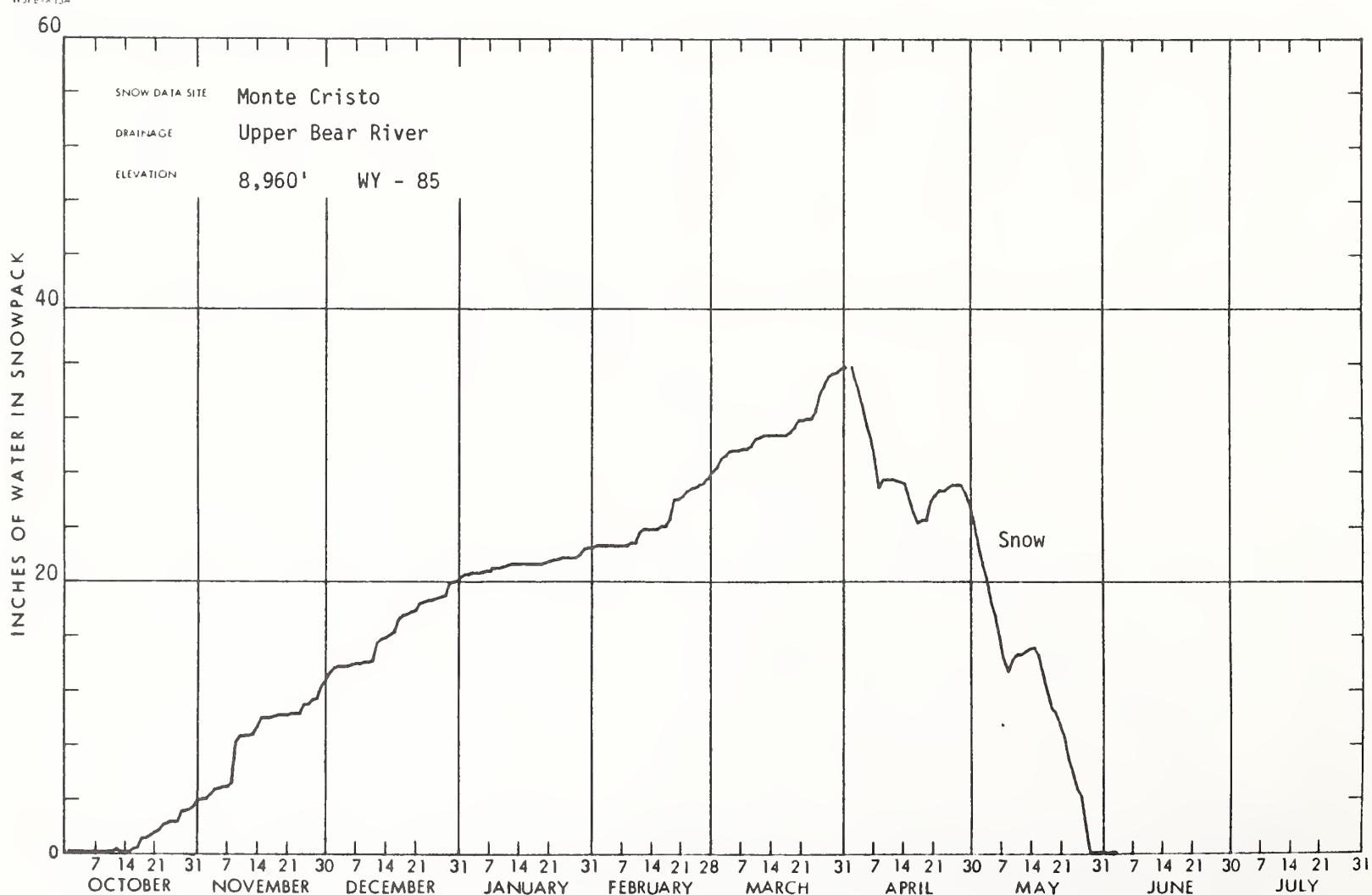
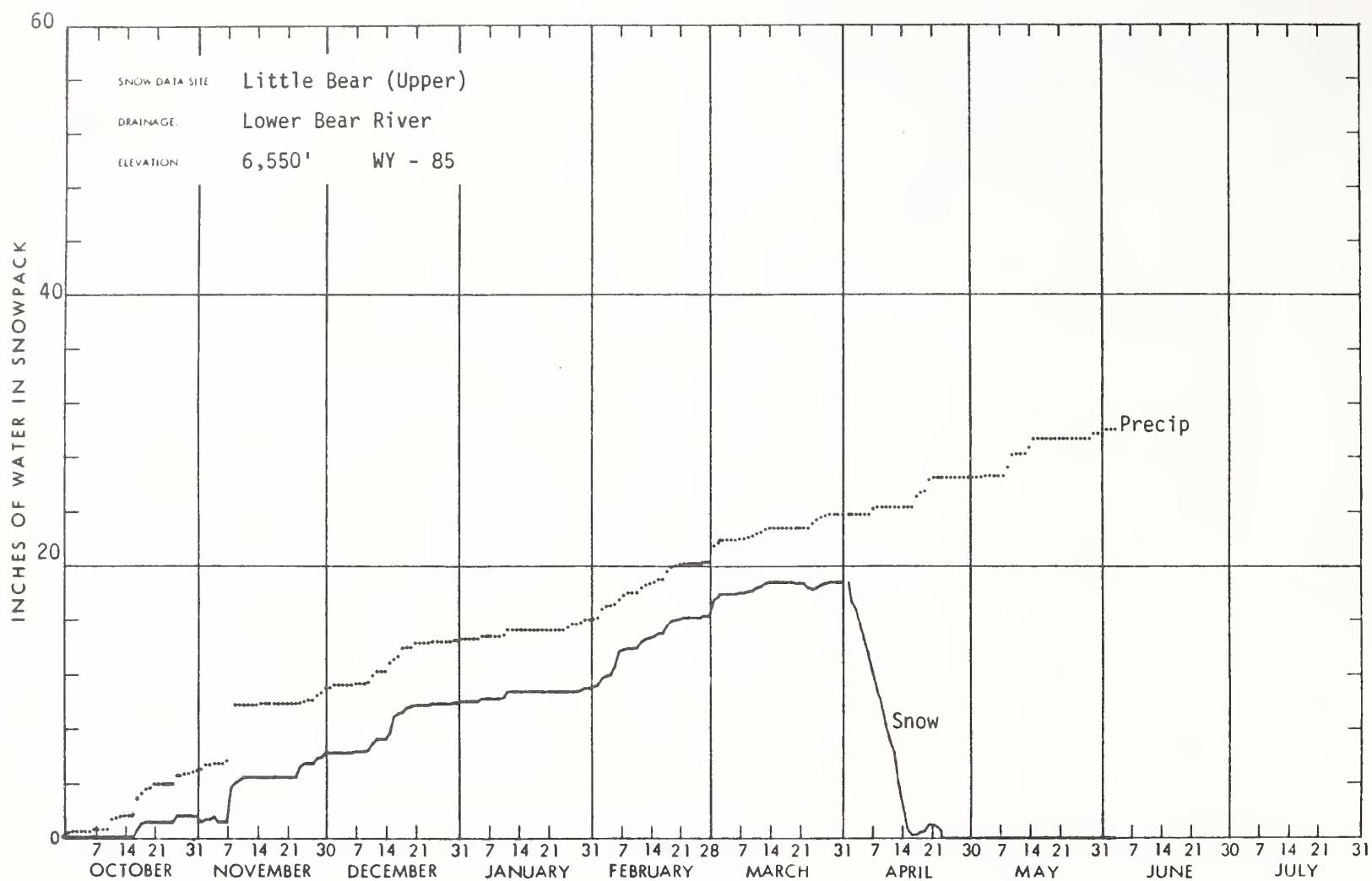
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
<hr/>						
BEAR RIVER, UPPER IN UTAH (above Hailey, Idaho)						
BURT'S-MILLER RANCH	7900	5/30/85	3	.3	.0	.0
HAYDEN FORK	9400	5/30/85	0	.0	.0	4.1
MONTE CRISTO R.S.	8960	5/30/85	1	.4	14.9	9.9
STILLWATER CAMP	8550	5/30/85	1	.1	.0	.2
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7
BEAR RIVER, LOWER IN UTAH (below Hailey, Idaho)						
BUG LAKE	7950	5/31/85	0	.0	4.8	.2
CUE RIVER R.S.	5450	5/31/85	0	.0	.0	.0
FRANKLIN BASIN	8020	5/31/85	0	.0	16.3	10.6
GARDEN CITY SUMMIT	7600	5/31/85	0	.0	4.8	2.6
KLONDIKE NARROWS	7400	5/31/85	0	.0	.0	1.1
LITTLE BEAR (LOWER)	6000	5/30/85	0	.0	.0	.0
LITTLE BEAR (UPPER)	6550	5/30/85	0	.0	.0	.0
STEEP HOLLOW #1	8500	5/31/85	18	9.1	34.8	24.9
STEEP HOLLOW #2	7700	5/31/85	0	.0	9.9	7.0
TONY GROVE LAKE	8400	5/31/85	0	.0	29.9	16.3
TONY GROVE R.S.	6250	5/31/85	0	.0	.0	.0
WILLOW FLAT	6100	5/31/85	0	.0	.0	.0
LOGAN RIVER						
FRANKLIN BASIN	8020	5/31/85	0	.0	16.3	10.6
GARDEN CITY SUMMIT	7600	5/31/85	0	.0	4.8	2.6
KLONDIKE NARROWS	7400	5/31/85	0	.0	.0	1.1
STEEP HOLLOW #1	8500	5/31/85	18	9.1	34.8	24.9
STEEP HOLLOW #2	7700	5/31/85	0	.0	9.9	7.0
TONY GROVE LAKE	8400	5/31/85	0	.0	29.9	16.3
TONY GROVE R.S.	6250	5/31/85	0	.0	.0	.0
RAFT RIVER						
OGDEN RIVER						
BEAVER CREEK-SKUNK	7150	5/30/85	0	.0	.0	.0
BEN LOMOND PEAK	8000	5/31/85	0	.0	32.0	16.0
BEN LOMOND TRAIL	6000	5/31/85	0	.0	.0	.0
DRY BREAD POND	8350	5/30/85	0	.0	2.0	2.4
MONTE CRISTO R.S.	8960	5/30/85	1	.4	14.9	9.9
SAGEBRUSH FLAT	6300	5/30/85	0	.0	.0	.0
WEBER RIVER						
BEAVER CREEK R.S.	7500	5/30/85	0	.0	.0	.0
CHALK CREEK #1	9100	5/30/85	4	1.7	13.4	12.9
CHALK CREEK #2	8200	5/30/85	0	.0	.0	1.3
CHALK CREEK #3	7500	5/30/85	0	.0	.0	.0
FARMINGTON CANYON L.	6950	5/31/85	0	.0	14.5	.0
FARMINGTON CANYON	8000	5/31/85	3	1.4	26.7	12.0
HORSE RIDGE	8260	5/30/85	0	.0	7.8	1.9
KILFOIL CREEK	7300	5/30/85	0	.0	.0	.1
LOST CREEK RESERVOIR	6130	5/30/85	0	.0	.0	.0
PARLEY'S CANYON SUM.	7500	5/31/85	0	.0	.0	.7
FINE CANYON	8000	5/30/85	0	.0	.0	.0
REDDEN MINE LOWER	8500	5/30/85	1	.2	.4	3.0
SMITH & MOREHOUSE	7600	5/30/85	0	.0	.0	.4
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7

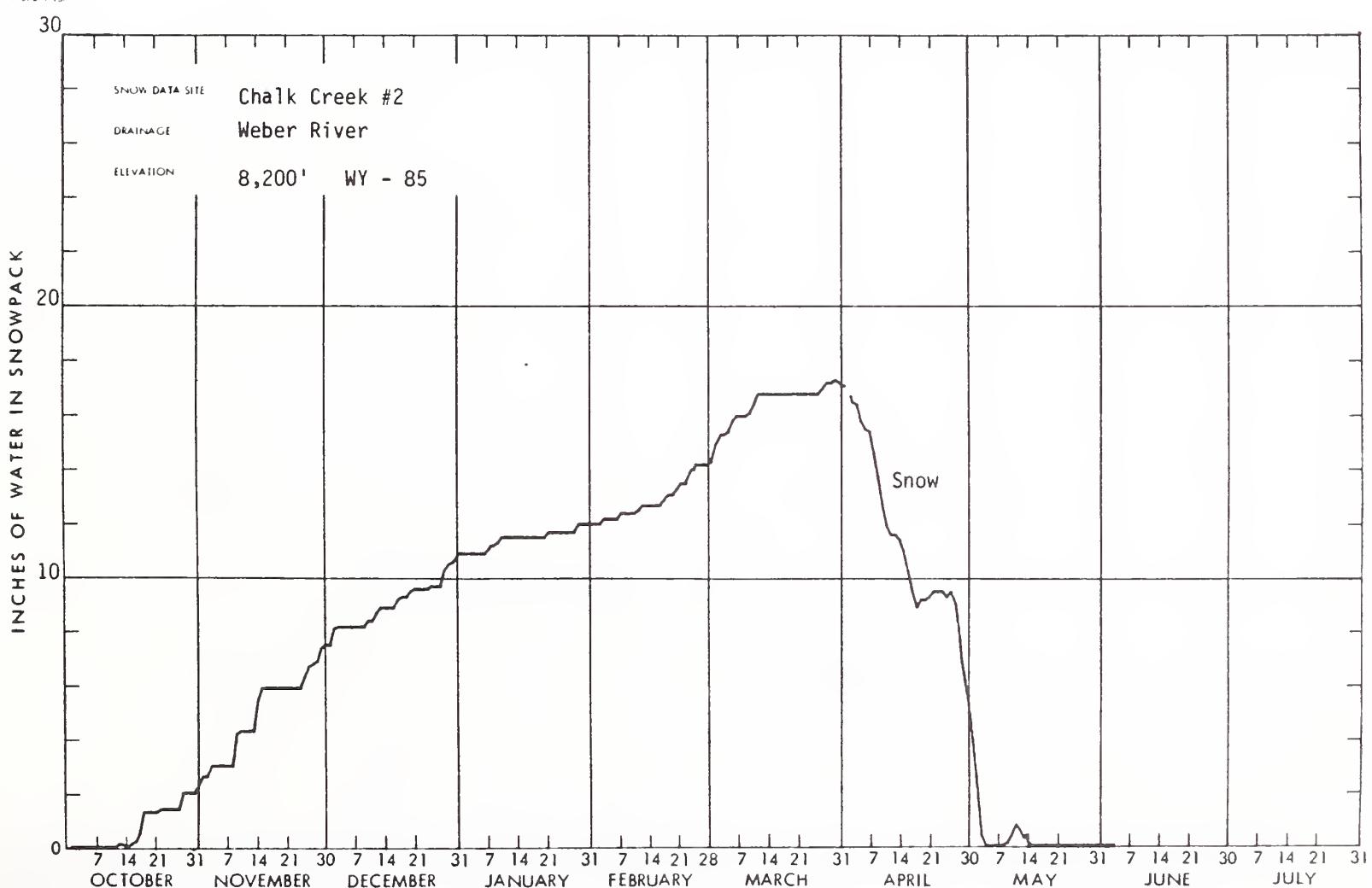
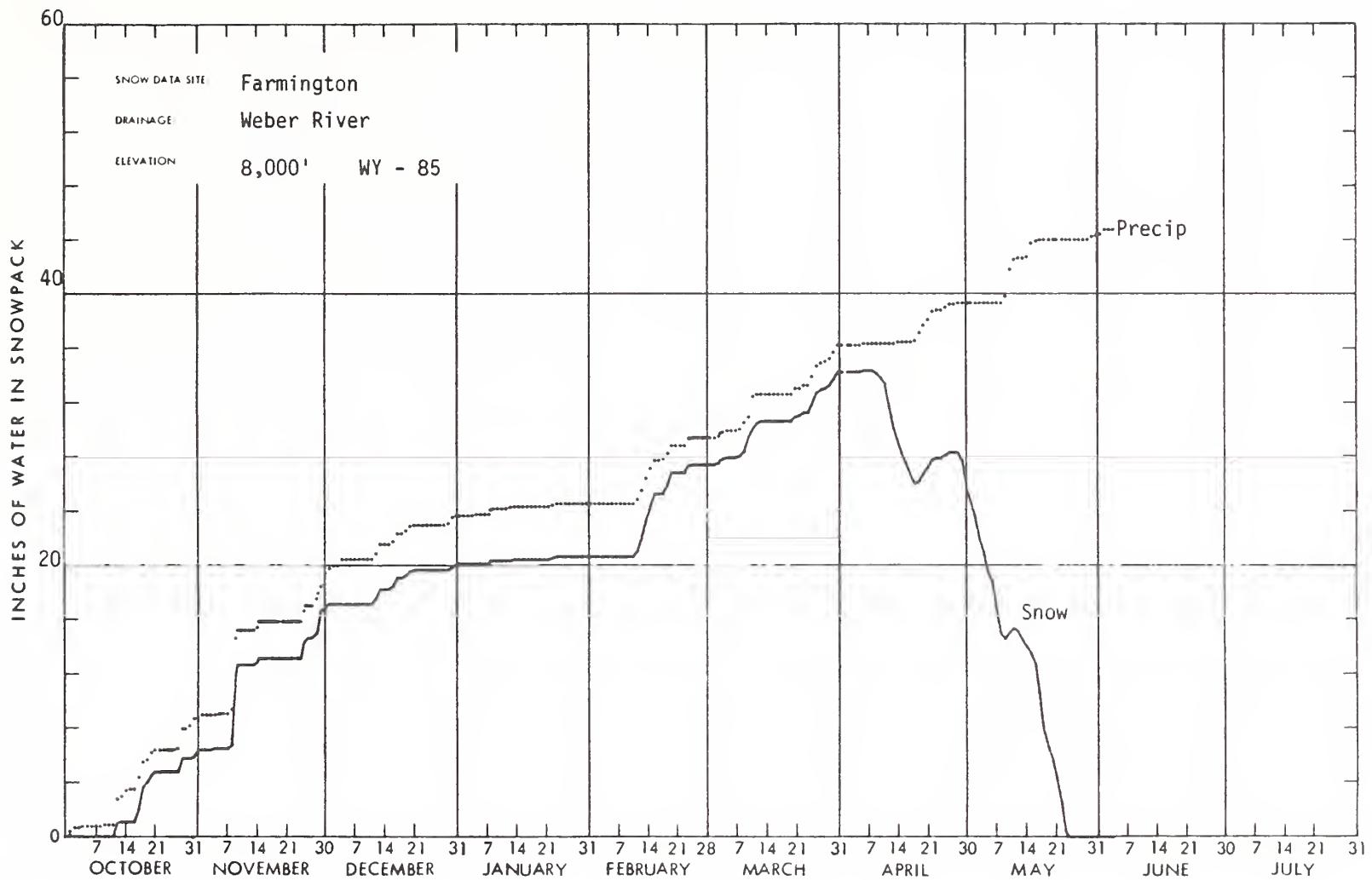
SNOW COURSE	EL ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
PROVO RIVER & UTAH LAKE						
BEAVER CREEK DIVIDE	8280	5/30/85	0	.0	.0	1.1
CLEAR CREEK RIDGE #1	9200	5/29/85	0	.0	5.4	2.8
CLEAR CREEK RIDGE #2	8000	5/29/85	0	.0	.0	.2
CLEAR CREEK RIDGE #3	6600	5/29/85	0	.0	.0	.0
DANIELS-STRAWBERRY	8000	5/30/85	0	.0	.0	.2
HOBBLE CREEK SUMMIT	7420	5/28/85	0	.0	.0	.0
FAYSON R.S.	8050	5/28/85	0	.0	5.6	.7
SOAPSTONE R.S.	7800	5/30/85	0	.0	.0	.2
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7
PROVO RIVER						
BEAVER CREEK DIVIDE	8280	5/30/85	0	.0	.0	1.1
DANIELS-STRAWBERRY	8000	5/30/85	0	.0	.0	.2
SOAPSTONE R.S.	7800	5/30/85	0	.0	.0	.2
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7
JORDAN RIVER & GREAT SALT LAKE						
LAMBS CANYON	7400	5/30/85	0	.0	.0	.5
MILL CREEK	6950	5/30/85	0	.0	9.4	5.1
MILL D SOUTH FORK	7400	5/30/85	2	.1	.0	2.4
PARLEY'S CANYON SUM.	7500	5/31/85	0	.0	.0	.7
SILVER LAKE(BRIGHT.)	8730	5/30/85	3	.2	14.2	12.0
ENTERPRISE TO NEW HARMONY DRAINAGES						
LITTLE GRASSY CREEK	6100	5/28/85	0	.0	.0	.0
LONG FLAT	8000	5/28/85	0	.0	.0	.0
COAL CREEK						
CEDAR CITY GOLF COUR	5800	5/30/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
SUSC RANCH	8200	5/30/85	0	.0	.0	.0
WEBSTER FLAT	9200	5/28/85	0	.0	.0	2.9
UPPER GREEN RIVER in UTAH (above Duchesne River)						
BLACK'S FORK GS-EF	9340	5/30/85	1	.1	.0	1.3
BLACK'S FORK JUNCTN	8930	5/30/85	2	.1	.0	.6
BURNT CREEK	7900	5/30/85	0	.0	.0	.3
GRIZZLY RIDGE	8500	5/30/85	0	.0	.0	1.0
HEWINTA G.S.	9500	5/30/85	2	.3	.0	2.0
HICKERSON PARK	9100	5/29/85	0	.0	.0	.1
KING'S CABIN (UPPER)	8730	5/29/85	0	.0	.0	1.0
SPIRIT LAKE	10300	5/29/85	0	.0	.0	7.3
STEEL CREEK PARK	10100	5/30/85	18	5.8	14.5	11.9
TROUT CREEK	9400	5/29/85	0	.0	.0	1.5
DUCHE SNE RIVER						
ATWOOD LAKE	10500	5/30/85	0	.0	.0	6.4
BROWN DUCK RIDGE	10600	5/29/85	25	11.1	10.6	15.3
CURRENT CREEK	8000	5/30/85	0	.0	.0	.0
DANIELS-STRAWBERRY	8000	5/30/85	0	.0	.0	.2
EAST PORTAL	7560	5/31/85	0	.0	.0	.0
FIVE POINT LAKE	11000	5/30/85	2	.8	2.5	11.8
INDIAN CANYON	9100	5/29/85	0	.0	.0	1.4
JACKSON PARK	10600	5/29/85	0	.0	.0	8.8
LAKEFORK BASIN	11100	5/30/85	13	5.4	8.8	15.4
LAKEFORK MOUNTAIN #1	10200	5/29/85	0	.0	.0	3.6
LAKEFORK MOUNTAIN #3	8400	5/29/85	0	.0	.0	.0
MOSEY MOUNTAIN(LOW)	9500	5/29/85	0	.0	.0	3.2
PARADISE PARK	10100	5/29/85	0	.0	.0	7.3
ROCK CREEK	7900	5/29/85	0	.0	.0	.0
STRAWBERRY DIVIDE	8400	5/31/85	0	.0	.0	.0

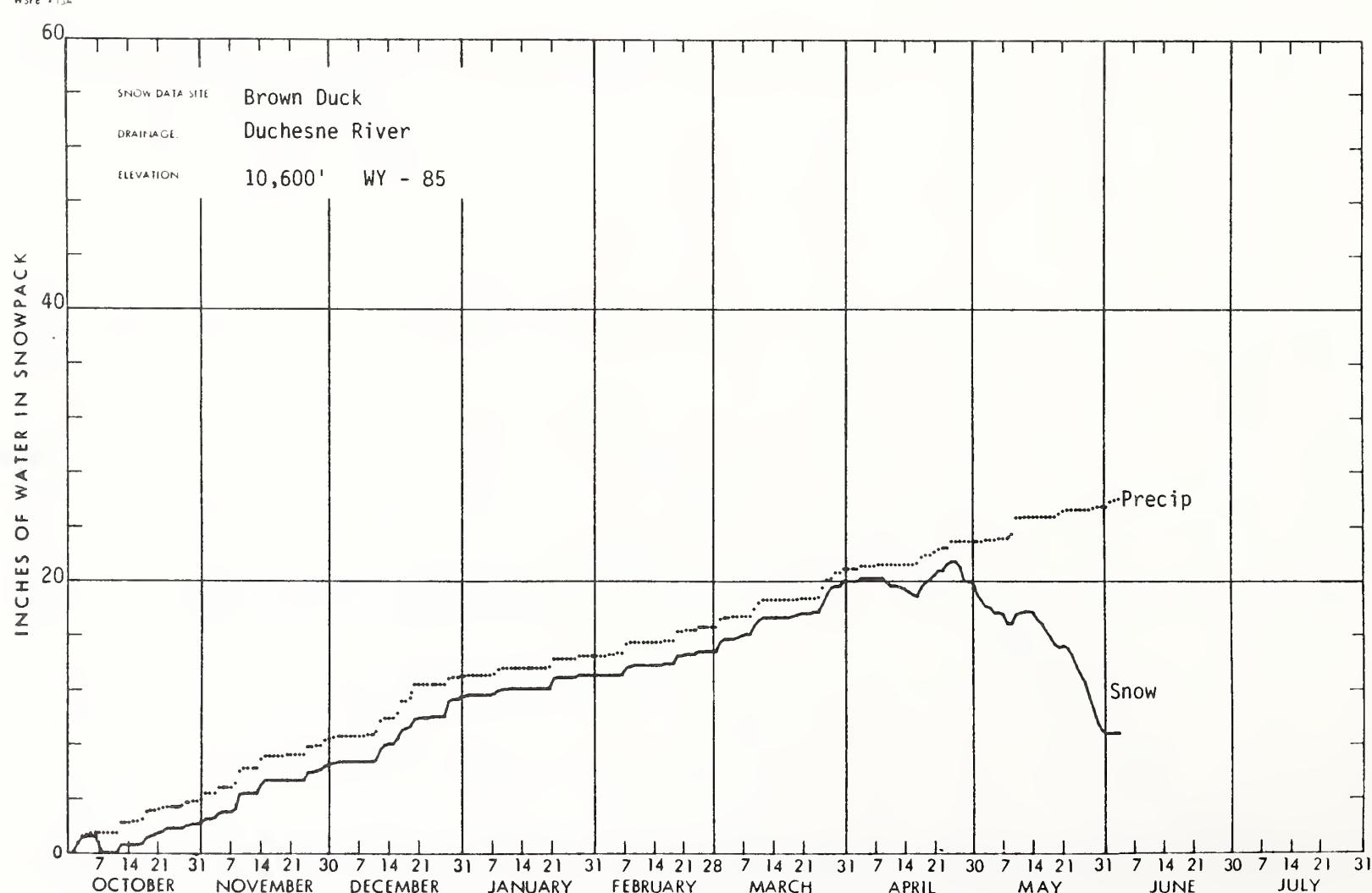
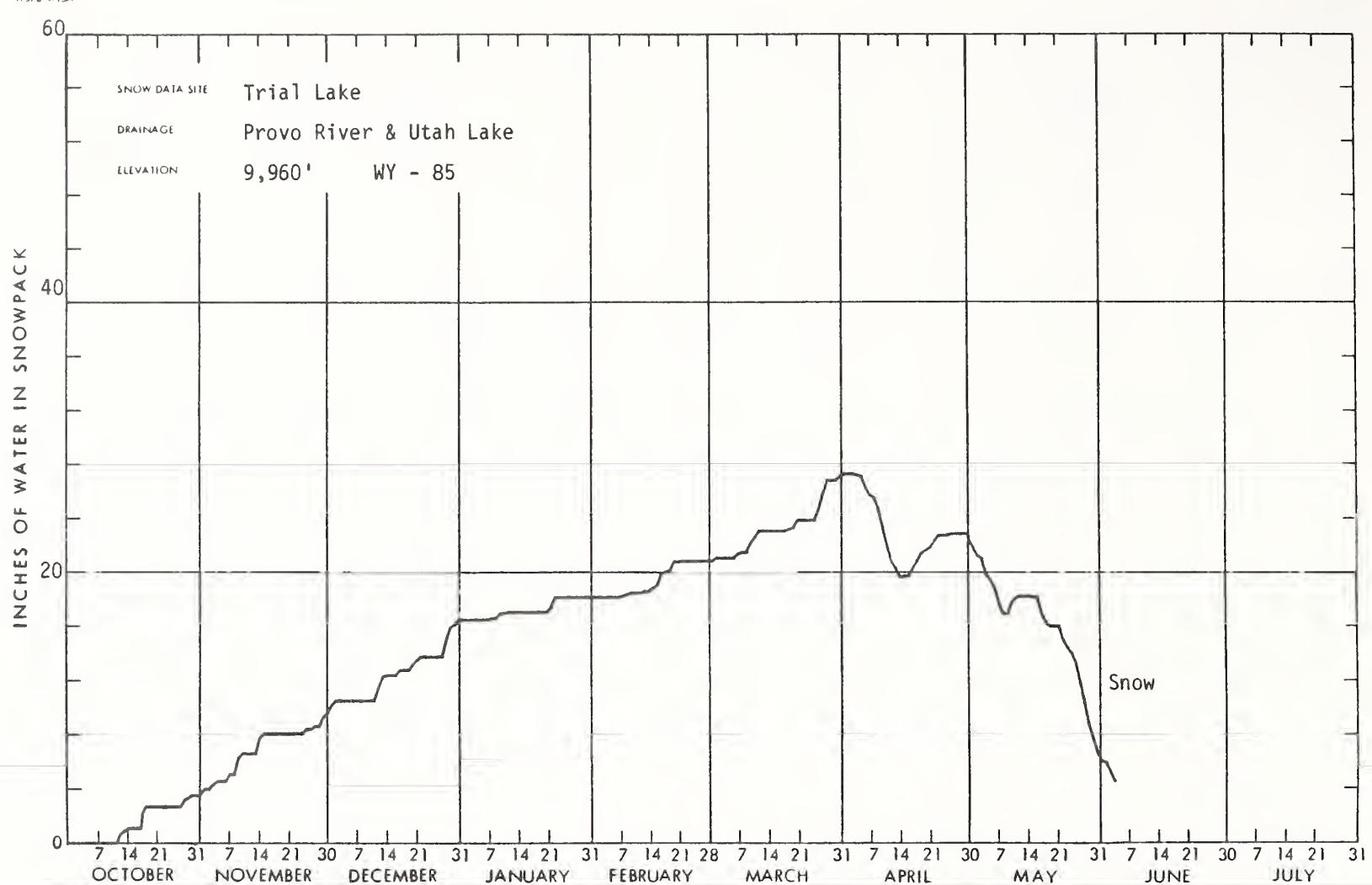
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
UPPER SEVIER RIVER (south of Richfield, Utah)						
BOX CREEK	9300	5/28/85	0	.0	2.9	1.3
BRYCE CANYON	8000	6/03/85	0	.0	.0	.0
CASTLE VALLEY	9580	5/28/85	0	.0	.0	.0
DUCK CREEK R.S.	8700	5/28/85	0	.0	.0	.5
HARRIS FLAT	7700	5/28/85	0	.0	.0	.0
KIMBERLY MINE(UPPER)	9300	5/28/85	0	.0	9.5	3.2
LONG VALLEY JCT.	7500	5/28/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
PANQUITCH LAKE	8200	5/28/85	0	.0	.0	.0
SQUAW SPRINGS	9300	5/28/85	0	.0	.0	.0
WIDTSOE-ESCALANTE #3	9500	5/28/85	0	.0	.0	.9
EAST FORK SEVIER RIVER						
BOX CREEK	9300	5/28/85	0	.0	2.9	1.3
BRYCE CANYON	8000	6/03/85	0	.0	.0	.0
SQUAW SPRINGS	9300	5/28/85	0	.0	.0	.0
WIDTSOE-ESCALANTE #3	9500	5/28/85	0	.0	.0	.9
SOUTH FORK SEVIER RIVER						
CASTLE VALLEY	9580	5/28/85	0	.0	.0	.0
DUCK CREEK R.S.	8700	5/28/85	0	.0	.0	.5
HARRIS FLAT	7700	5/28/85	0	.0	.0	.0
KIMBERLY MINE(UPPER)	9300	5/28/85	0	.0	9.5	3.2
LONG VALLEY JCT.	7500	5/28/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
PANQUITCH LAKE	8200	5/28/85	0	.0	.0	.0
LOWER SEVIER RIVER (including San Pitch River)						
BEAVER DAMS	8000	5/29/85	0	.0	.0	.0
FARNSWORTH LAKE	9600	5/28/85	17	7.2	26.3	14.0
G.E.R.C. HEADQUARTER	8700	5/29/85	0	.0	13.0	3.1
G.E.R.C. MEADOWS	10000	5/29/85	20	9.5	30.5	14.4
GOOSEBERRY R.S.	8000	5/28/85	0	.0	.0	.8
MAMMOTH-COTTONWOOD	8800	5/29/85	0	.0	11.2	4.8
MT. BALDY R.S.	9500	5/29/85	15	6.9	29.8	14.5
OAK CREEK	7760	5/28/85	0	.0	.0	.0
PICKLE KEG SPRING	9600	5/29/85	0	.0	13.2	1.6
FINE CREEK	8800	5/28/85	0	.0	16.3	1.9
REES'S FLAT	7300	5/28/85	0	.0	.0	.0
SHINGLE MILL	6200	5/31/85	0	.0	.0	.0
BEAVER RIVER						
BEAVER RACE TRACK	6020	6/03/85	0	.0	.0	.0
BIG FLAT	10290	5/28/85	34	14.2	19.5	14.1
MERCHANT VALLEY (UP)	8750	5/28/85	0	.0	.0	.5
OTTER LAKE	9600	5/28/85	8	2.5	6.2	6.4
PRICE RIVER						
DRY VALLEY DIVIDE AL	8100	5/29/85	0	.0	.0	--
MUD CREEK	8600	5/29/85	0	.0	.0	.0
WHITE RIVER #1	8550	5/29/85	0	.0	.0	.3
WHITE RIVER #3	7400	5/29/85	0	.0	.0	.0
SAN RAFAEL RIVER						
BUCK FLAT	9800	5/29/85	0	.0	9.1	4.1
HUNTINGTON-HORSESHOE	9800	5/29/85	10	4.6	23.8	19.6
ORANGE OLSEN	7200	5/29/85	0	.0	.0	.0
RED PINE RIDGE	9200	5/29/85	0	.0	6.9	1.8
SEELEY CREEK R.S.	10000	5/29/85	2	1.3	22.4	8.2
STUART R.S.	7950	5/29/85	0	.0	.0	.0
UPPER JOES VALLEY	8900	5/29/85	0	.0	.0	.0
WRIGLEY CREEK	9000	5/29/85	0	.0	.0	.0

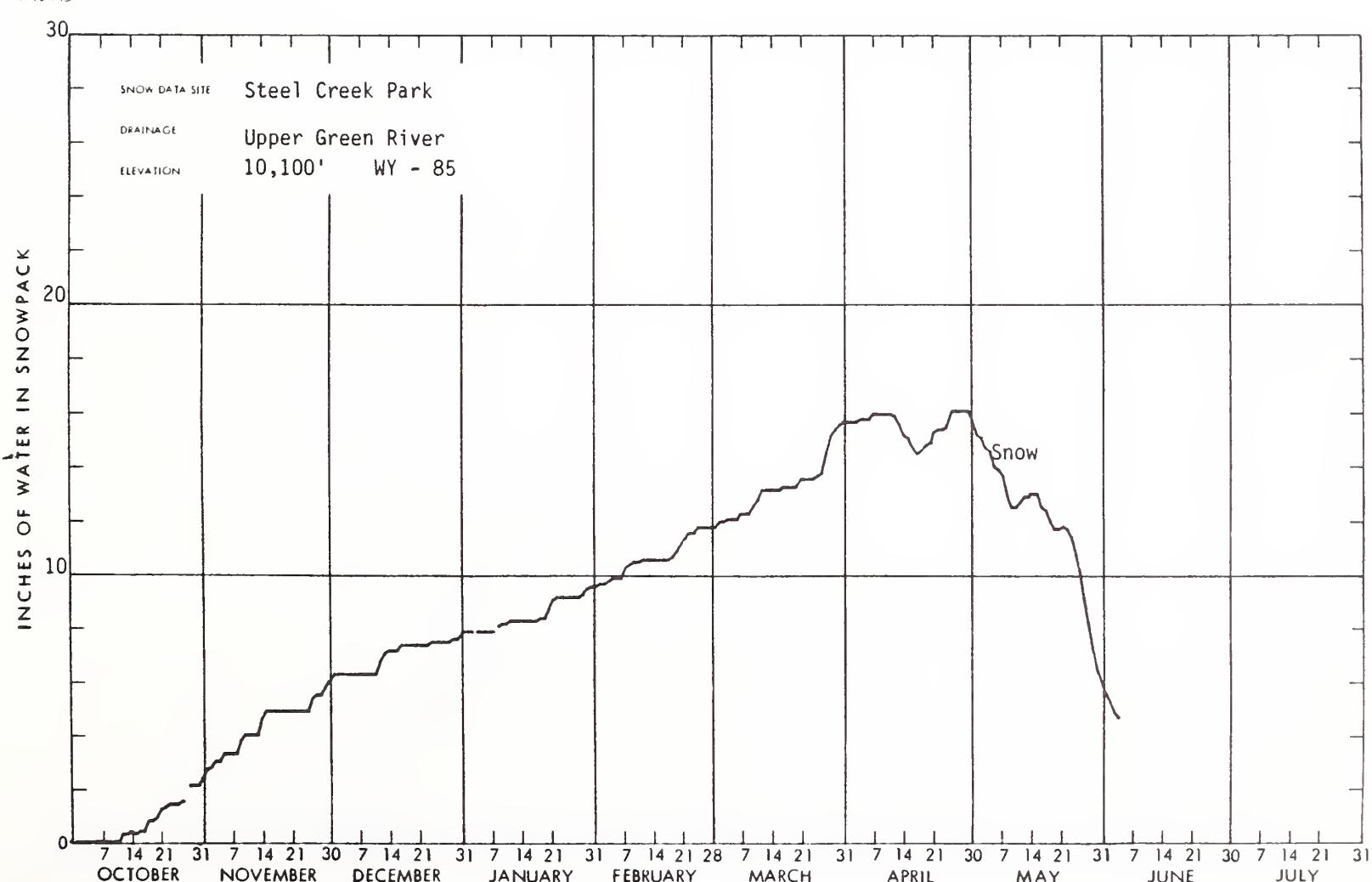
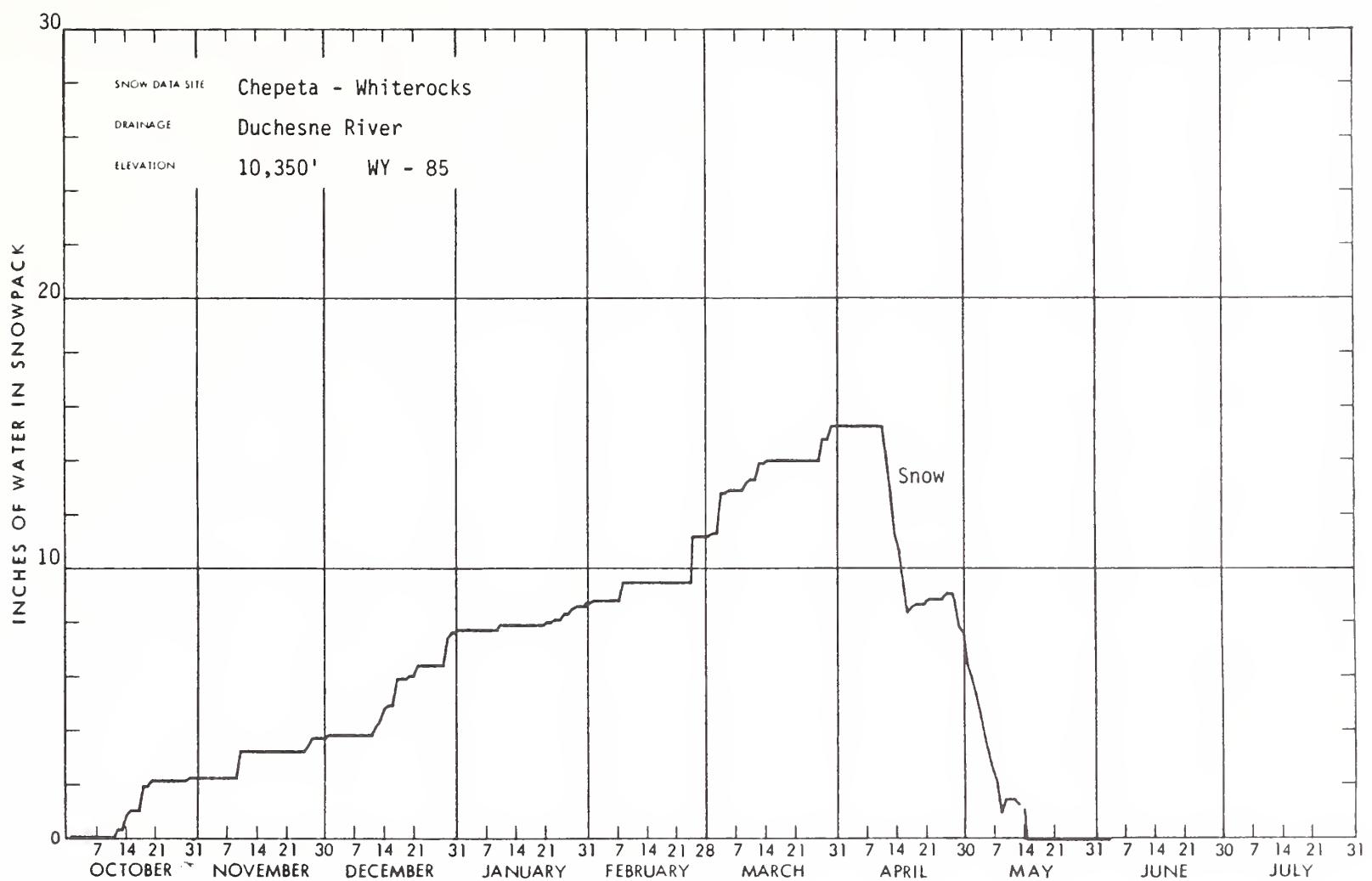
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
MUDY RIVER						
BLACK'S FORK	9200	5/29/85	0	.0	.0	1.3
DILL'S CAMP	9200	5/29/85	0	.0	.0	.9
FREMONT RIVER						
BLACK'S FLAT-U.M. CK	9400	5/28/85	0	.0	.0	.3
FISH LAKE	8700	5/28/85	0	.0	.0	.0
JOHNSON VALLEY	8850	5/28/85	0	.0	.0	.0
LASAL MOUNTAINS						
LASAL MOUNTAIN LOWER	8800	5/31/85	0	.0	.0	.0
LASAL MOUNTAIN (UPP)	9850	5/31/85	0	.0	.0	2.7
PAROWAN						
BIRCH CROSSING	8100	5/30/85	0	.0	.0	.0
BRIAN HEAD	10000	5/28/85	1	.4	2.4	10.6
TALL POLES	8800	5/30/85	0	.0	.0	1.5
YANKEE RESERVOIR	8700	5/28/85	0	.0	.0	.0
BLUE MOUNTAINS						
BUCKBOARD FLAT	9000	5/30/85	0	.0	.0	.4
CAMP JACKSON	8600	5/30/85	0	.0	.0	.0
ESCALANTE RIVER						
WIDTSOE-ESCALANTE #3	9500	5/28/85	0	.0	.0	.9
VIRGIN RIVER						
HARRIS FLAT	7700	5/28/85	0	.0	.0	.0
KOLOB-CRYSTAL	9250	5/28/85	0	.0	.0	9.0
LONG VALLEY JCT.	7500	5/28/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
WEBSTER FLAT	9200	5/28/85	0	.0	.0	2.9

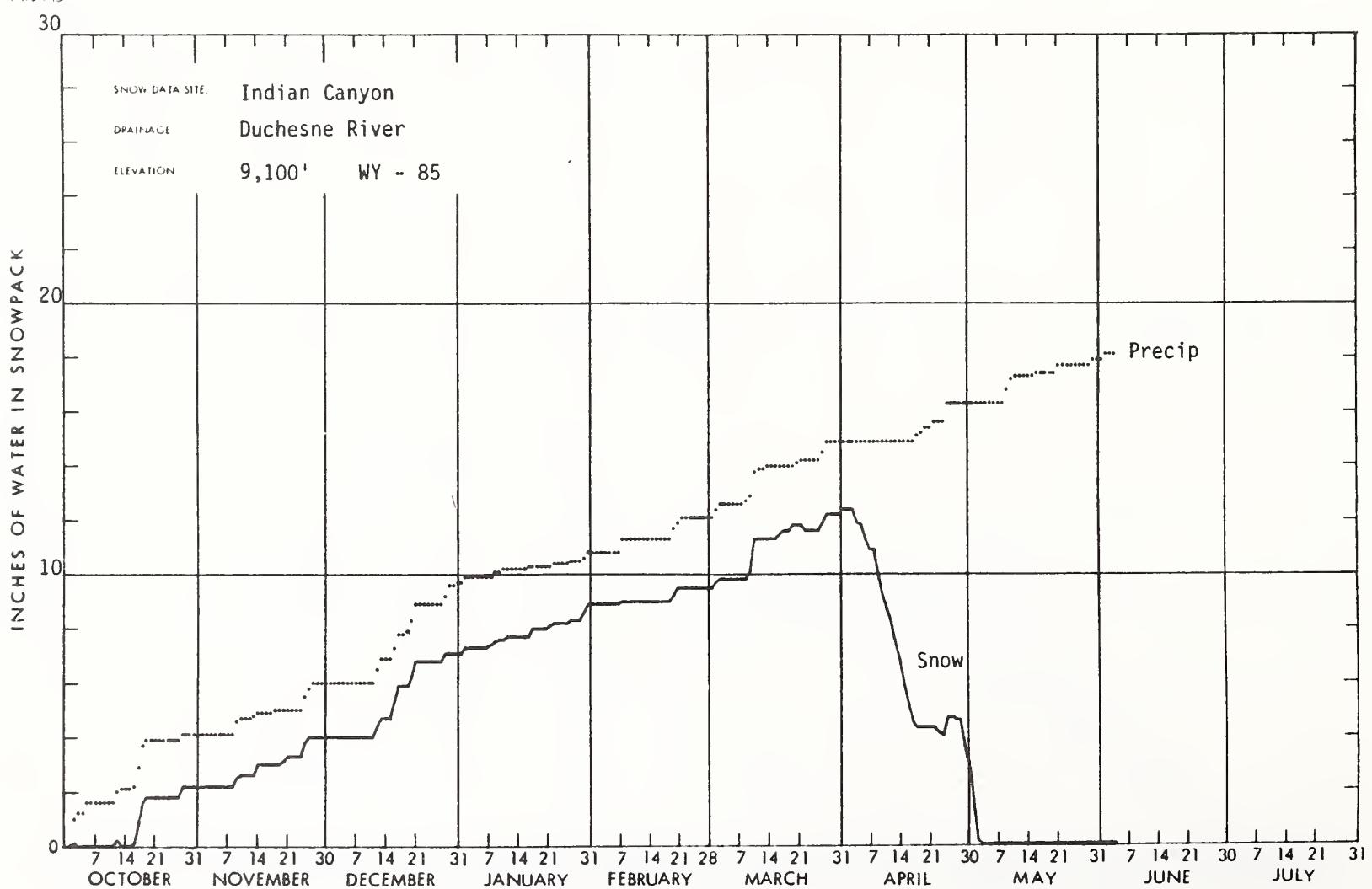
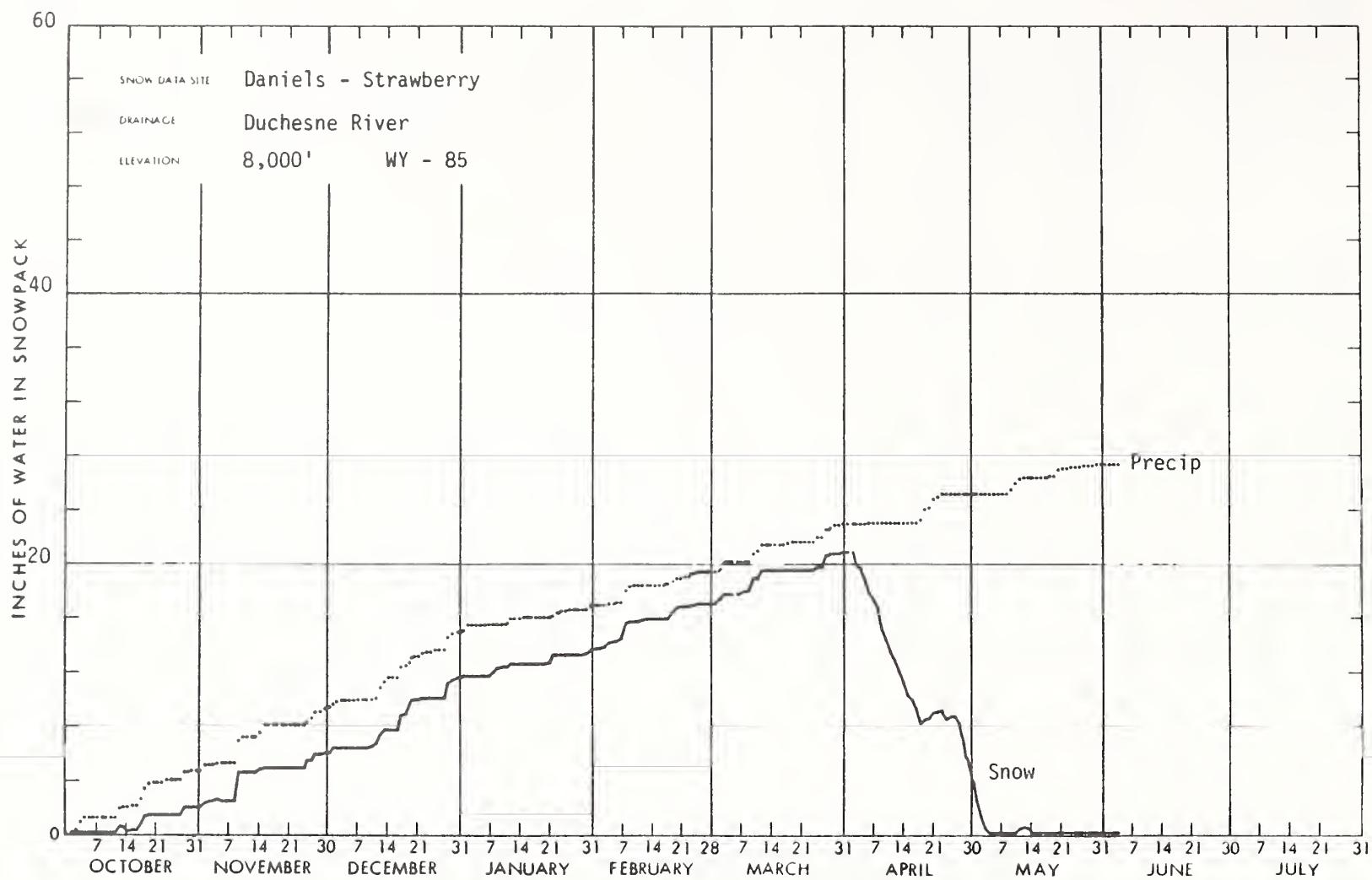


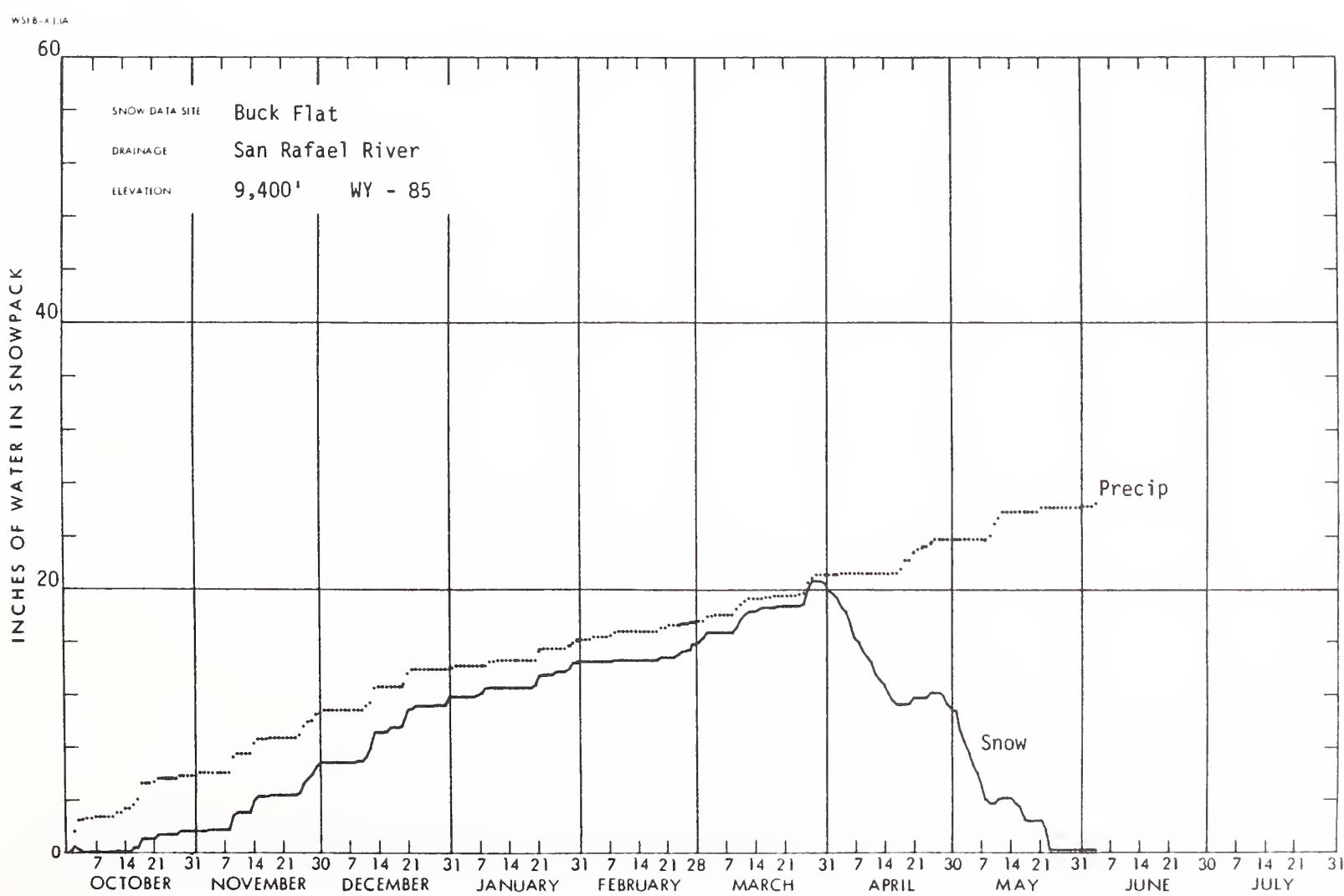
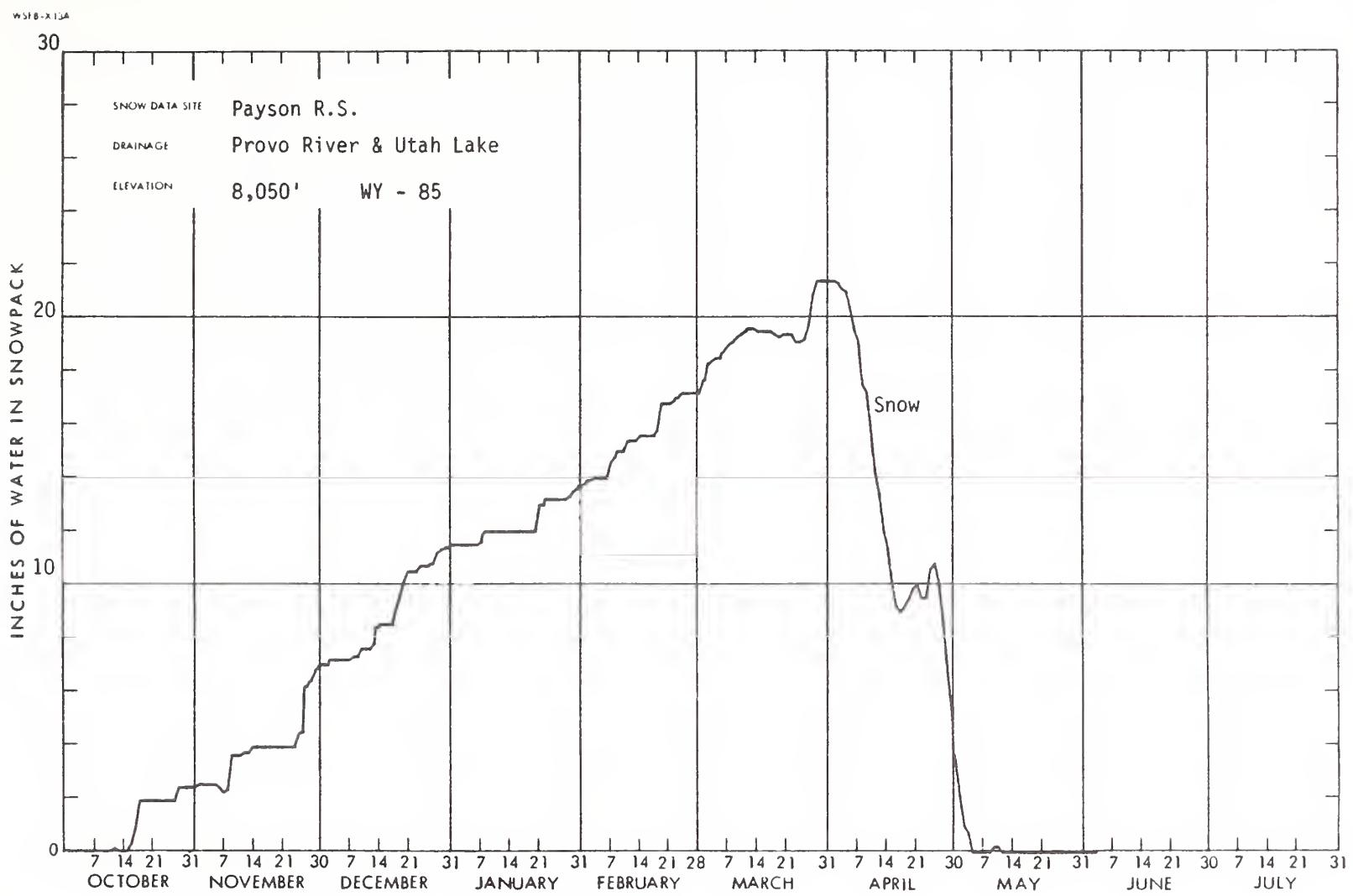


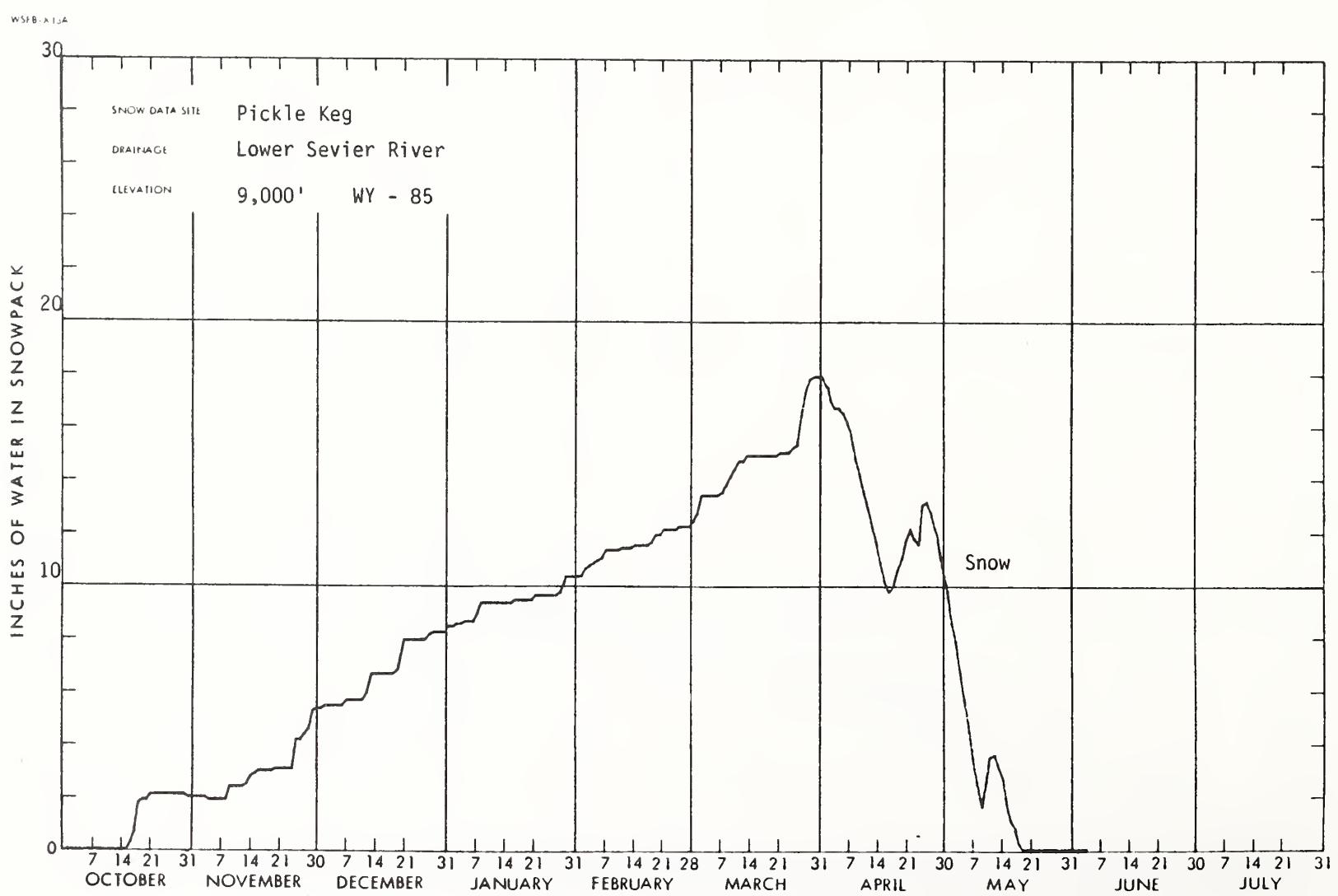
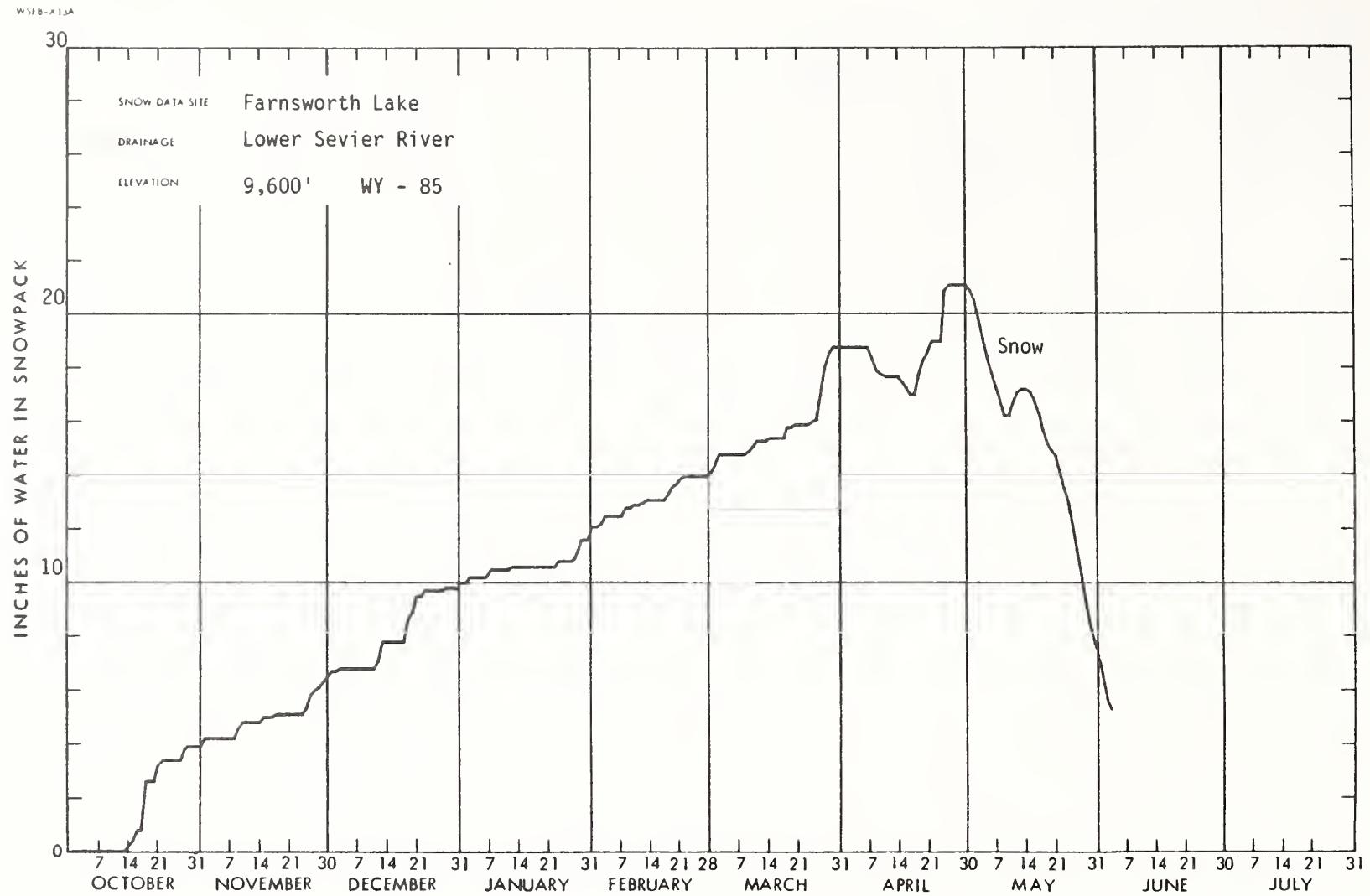


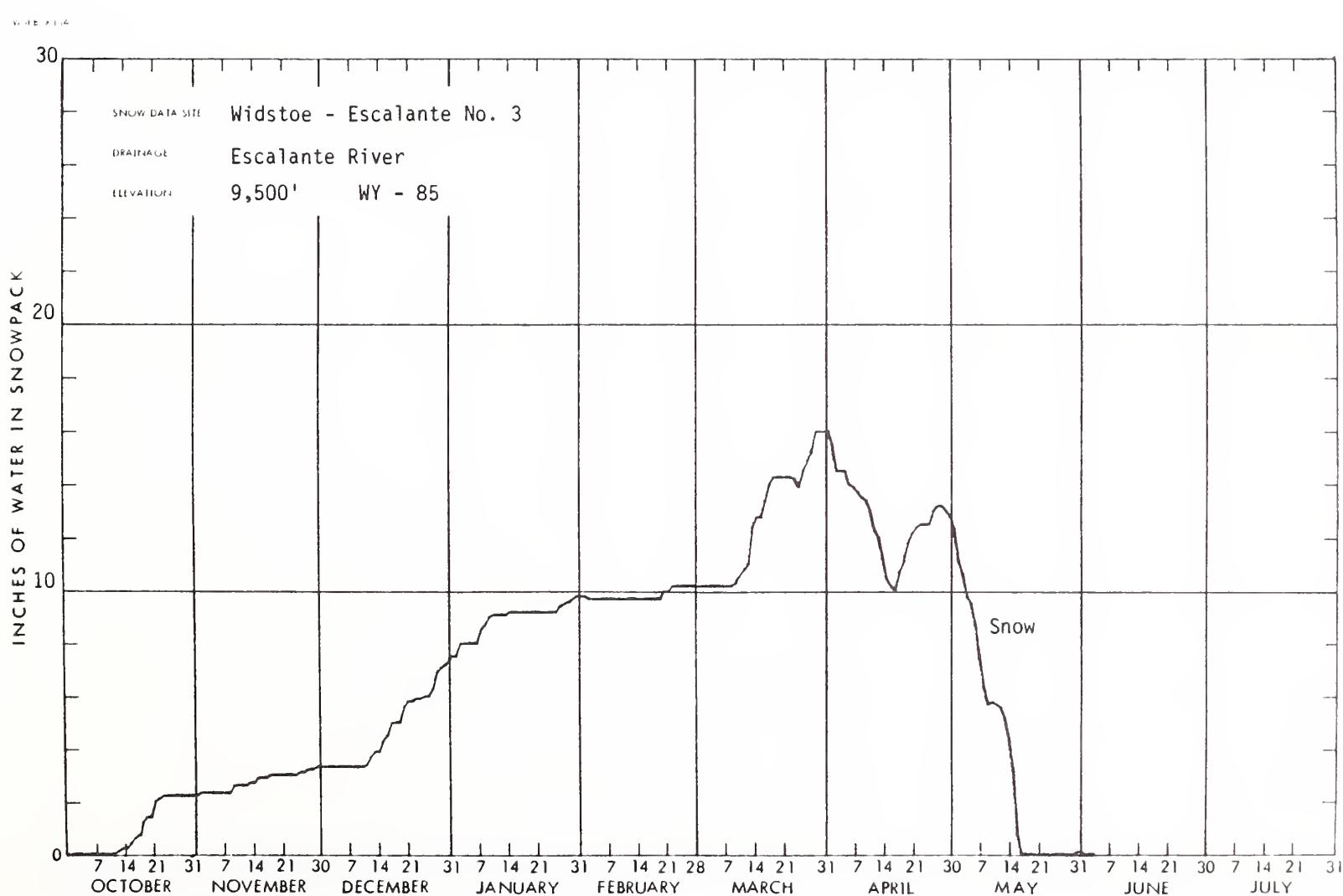
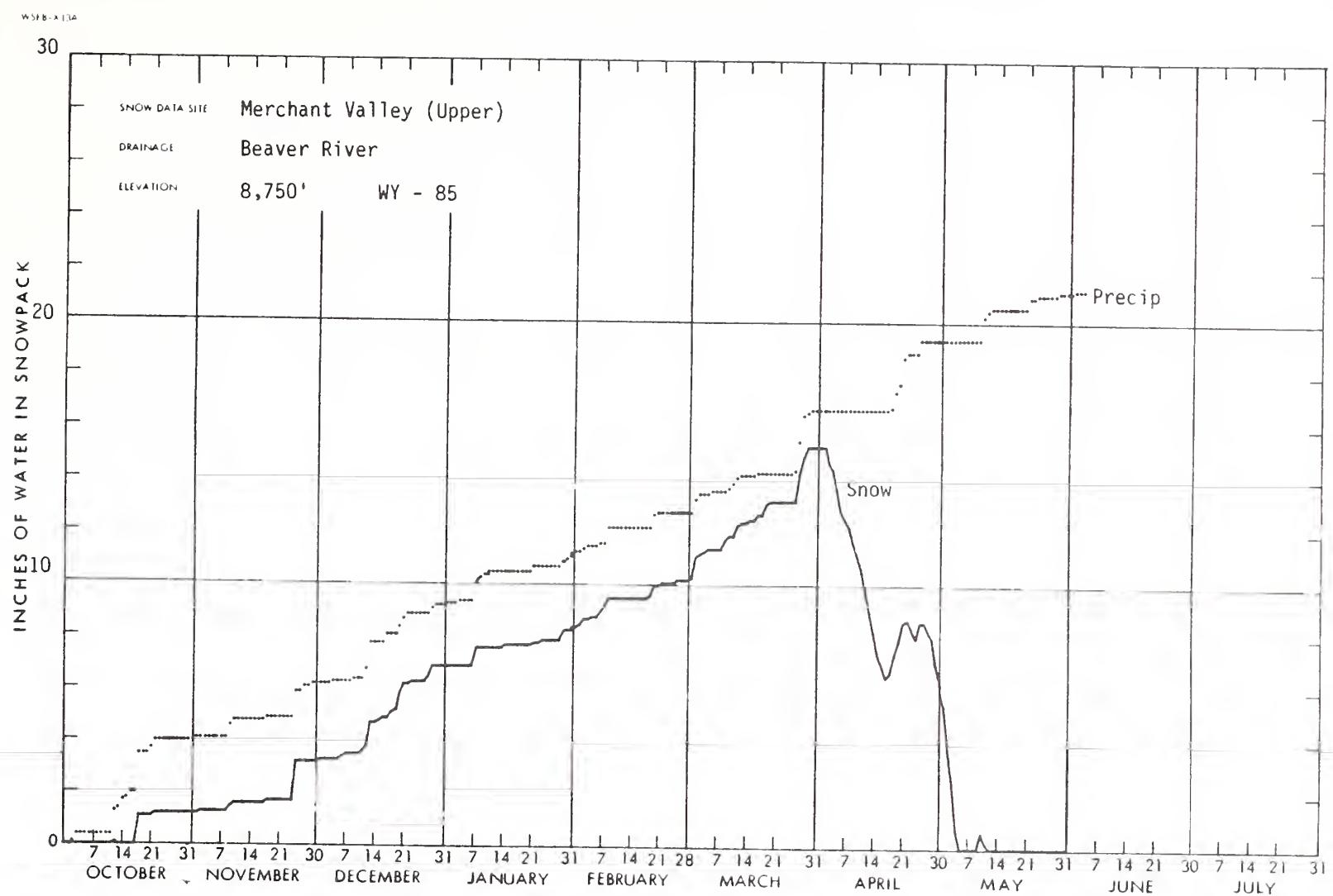


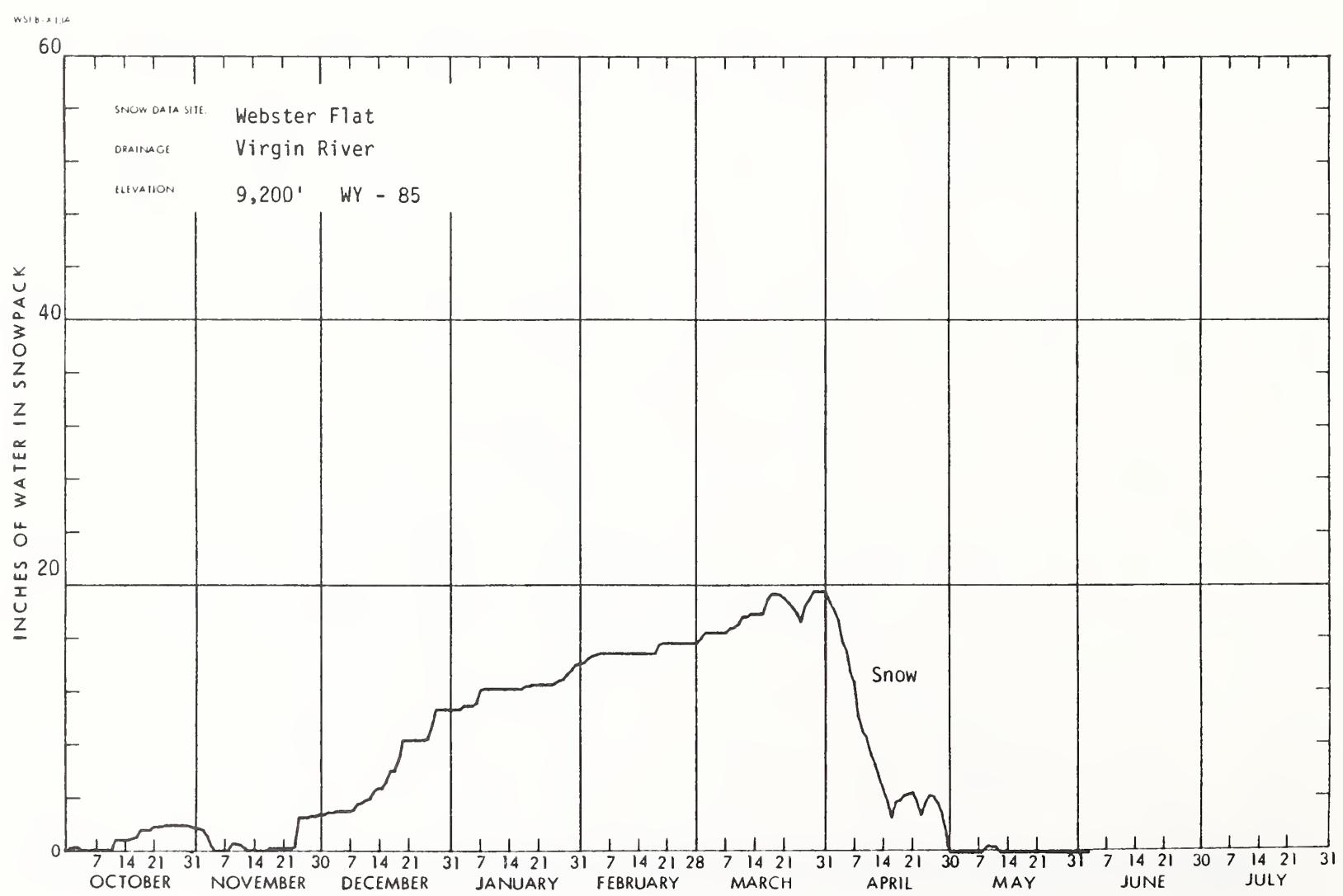
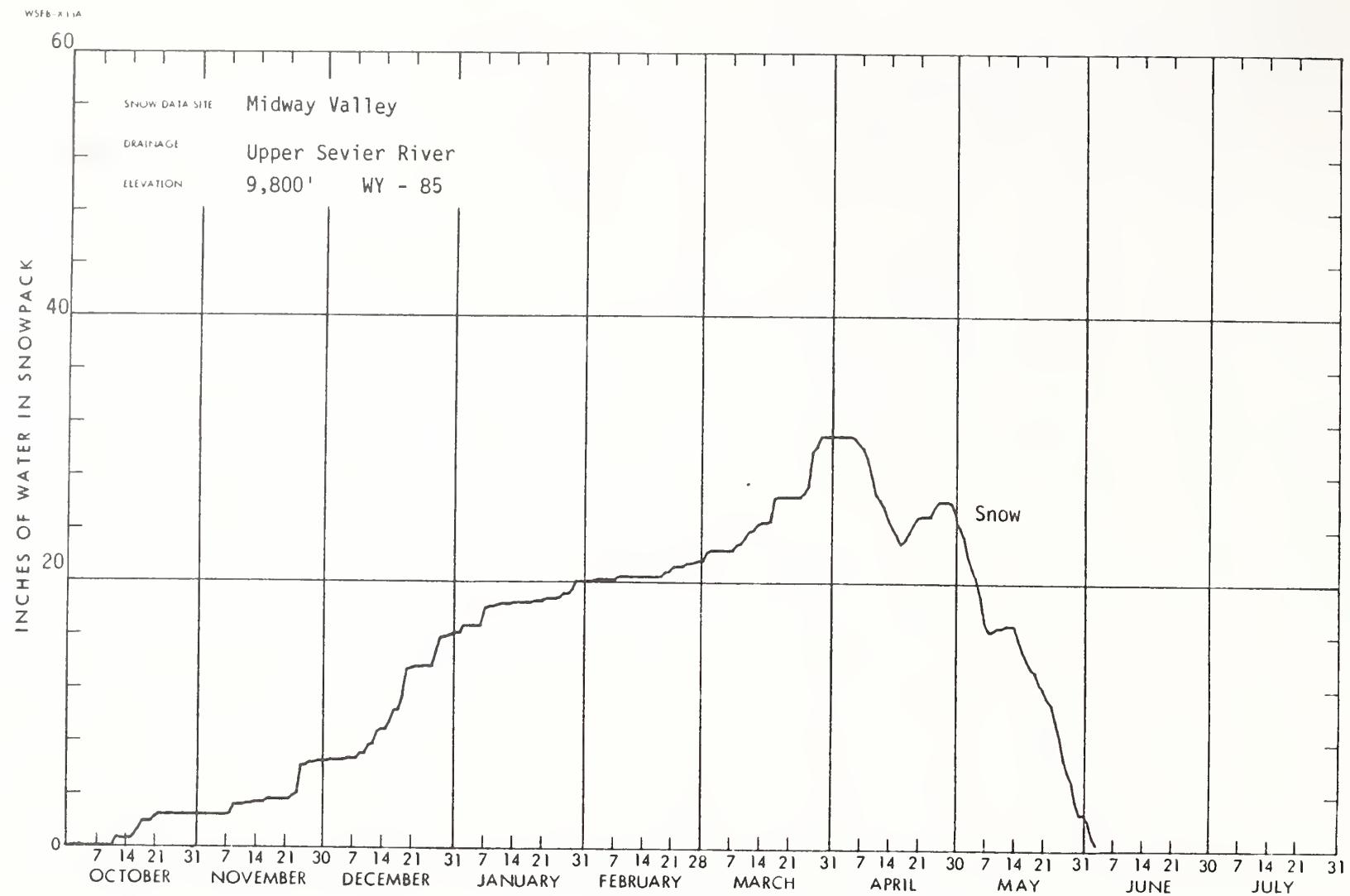


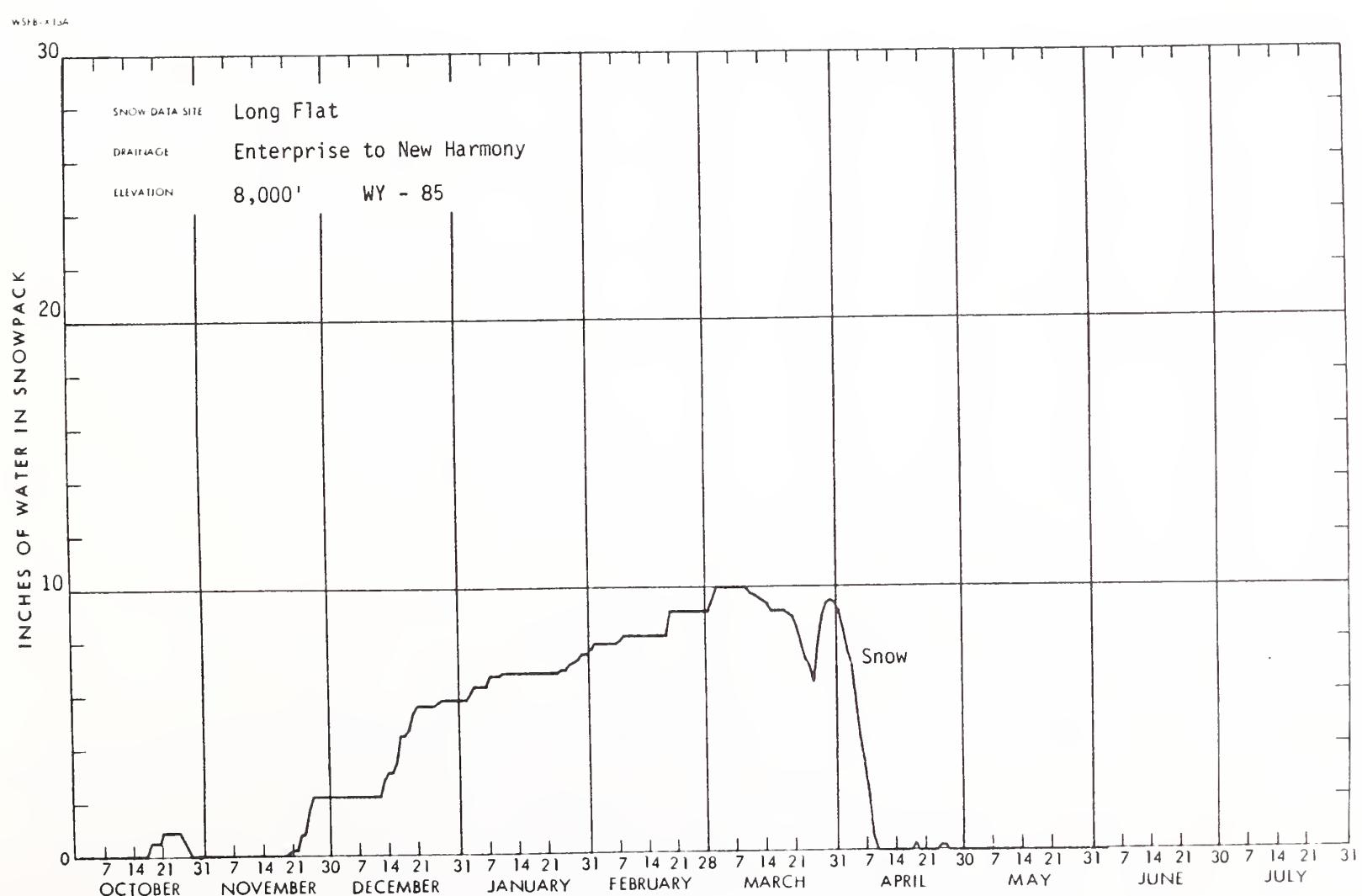
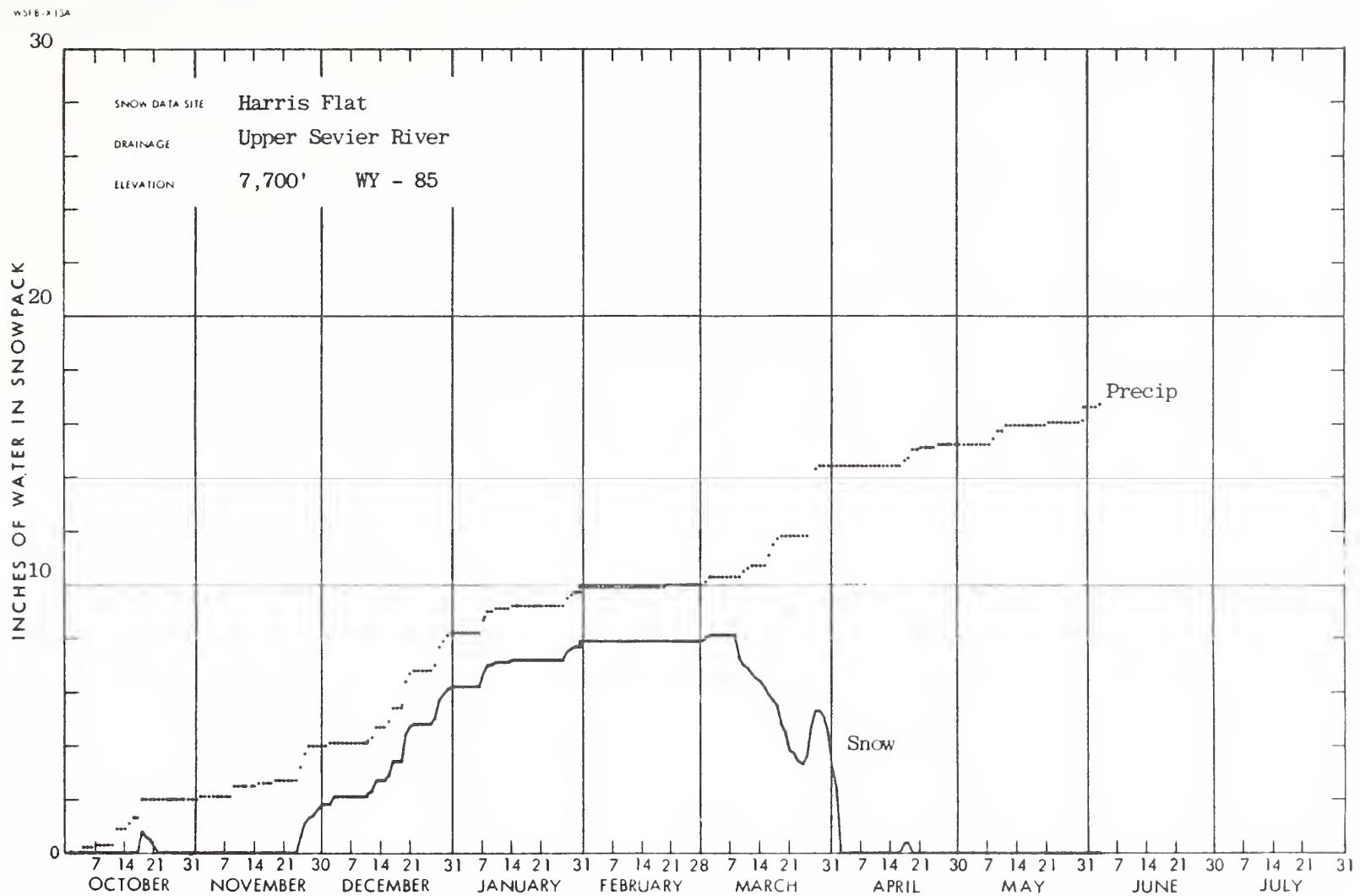


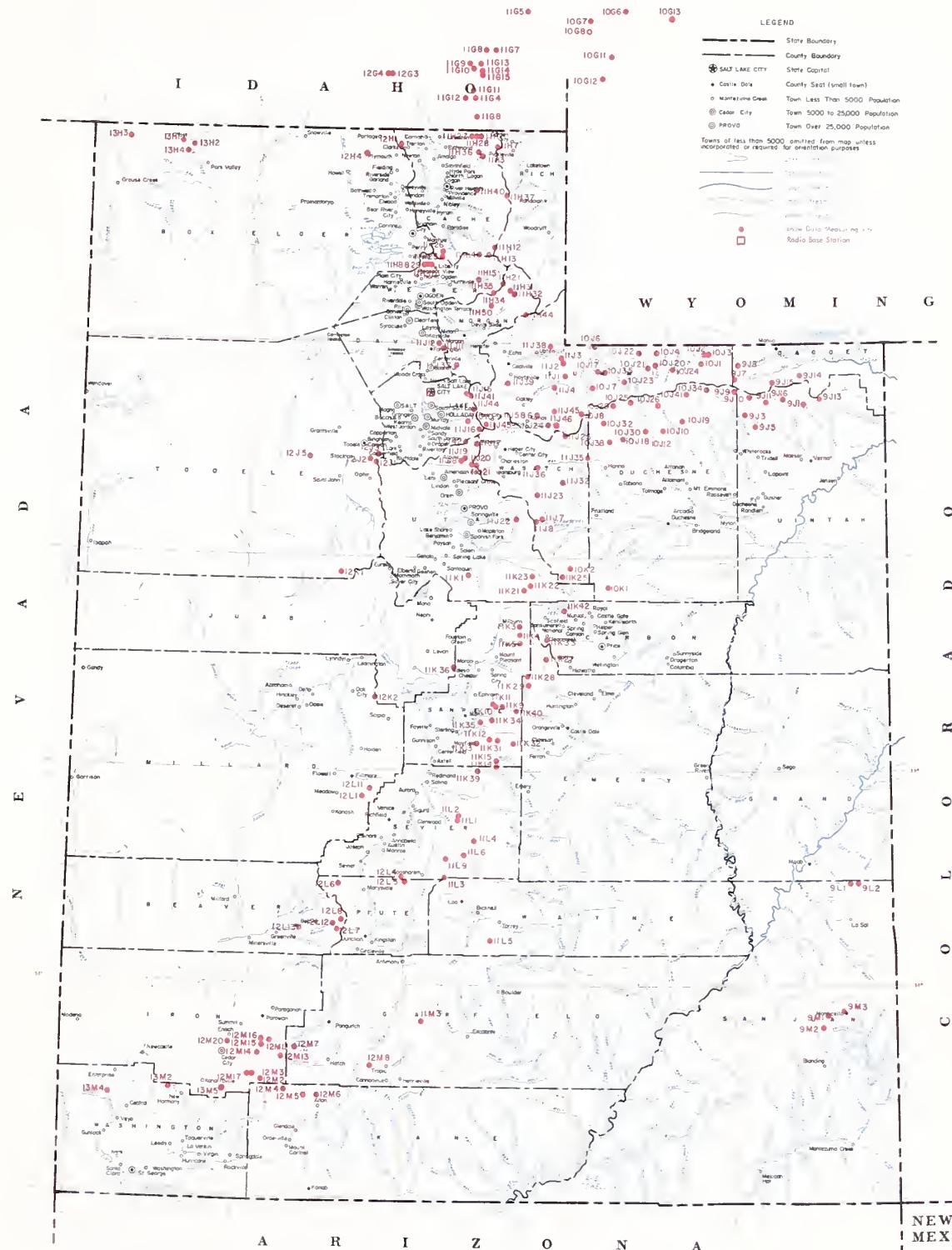












SNOW COURSES AND RELATED
DATA MEASURING SITES

UTAH

1983

20 0 20 40
ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 Albers
Equal-Area projection (1970) used in source
for base map and adapted for SCS use.

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture
Soil Conservation Service
Forest Service
U. S. Department of Commerce
NOAA, National Weather Service
U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

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